2012 CATALOG

Commercial Products

SUMMER – WINTER

NETGEAR®

NETGEAR PROSAFE

NETGEAR Wireless, Switching and VPN Firewall products form the network communication platform. They are flexible, scalable and satisfy the demand for mobility solutions. ProSafe® products come with a Lifetime Warranty.

NETGEAR lends its extensive network expertise to the development of reliable and durable products. NETGEAR offers its customers a ProSafe Lifetime Warranty on all products purchased from the ProSafe range. It also offers an on-site replacement service for certain products.

NETGEAR PROSECURE

NETGEAR STM and UTM products offer the ultimate in web and email security. This includes effective protection against spam, trojans, viruses, malware and phishing.

NETGEAR READYNAS

NETGEAR storage solutions offer data security and act as a file server or backup medium. Your data is held securely, no matter whether you want to access the data memory from your MAC, Windows or LINUX/UNIX-based system. Should capacity start to run low, it is possible to dynamically expand the storage space without interrupting operations. The device can operate as a Storage Area Network (SAN) and Networked Attached Storage (NAS).

PROSUPPORT™

The products in the ProSafe and ReadyNAS® series can be supplemented with the hardware replacement and technical assistance service. The Lifetime Warranty for ProSafe products completes the service offering.

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Network Solutions for Medium-Sized Businesses

Security • Switching • Storage Solutions • Wireless • Management Software

NETGEAR® (NASDAQGM: NTGR) is a global manufacturer of technological sophisticated branded networking products. Our aim is to provide our customers with innovative network solutions.

NETGEAR® develops technologically innovative branded solutions that are specially customized to meet customer requirements with dedicated solutions for small and medium businesses, service providers, and home networks. NETGEAR offers an extensive portfolio of network products that enable shared use of Internet accesses, peripheral devices, files, multimedia content and software applications across several computers and other Internet-compatible devices. Renowned for their reliability and usability, NETGEAR products are sold by more than 41,000 partners around the world. Since its founding in 1996, NETGEAR has sold more than 120 million Ethernet ports, 700,000 TB of data storage units and two million firewall systems. In addition to its world headquarters in San Jose, California, NETGEAR has offices in 26 countries throughout the world.

A History of Innovation

The NETGEAR name is recognized around the world for modern, innovative products that deliver reliable network solutions for small and medium businesses, as well as home and home office users. With a combination of award-winning design and quality technology, NETGEAR provides high quality, reliable products that are easy to install and administer.

NETGEAR products support advanced market requirements such as virtualization, cloud computing and mobility to develop appropriate network solutions. Example solutions include:

- Increase in switch bandwidth from 1 to 10 gigabits
- Wi-Fi technology compliance with Standard 11n, enabling faster speeds and greater bandwidth for the next generation of wireless systems
- Scalable NAS and iSCSI SAN data storage systems
- Unified Threat Management (UTM) products for email and web security

Always Connected – Connected Lifestyle or Mobility

With billions of devices networked around the world and the explosion of digital content, the Internet has become a primary medium for communication and entertainment. As a result, businesses require the next generation of networks. Whether stored locally on a storage medium or transferred directly from the Internet, digital content must be readily available, anywhere, anytime.

Continuous networking – the Connected Lifestyle – is increasingly changing our everyday lives. Broadband Internet and wireless connections have greatly simplified cooperative working and access to information. Even the way we communicate and consume entertainment has been affected. Networking supplies the products and forms the basis and infrastructure for networked living – the Connected Lifestyle.

The NETGEAR Green Program

Our environmentally-friendly solutions are accredited with ENERGY STAR® Level IV for operating efficiency for all external power adapters in North America. We have chosen to become an ENERGY STAR® partner. That means we offer our customers energy-efficient products that contribute towards the reduction in greenhouse gases. Energy Star-certified products by NETGEAR help to save money due to low energy consumption levels. The RoHS Directive to restrict the use of certain hazardous substances in electrical and electronic equipment was adopted by the EU. This directive applies to the manufacturers of electrical and electronic equipment containing lead, cadmium, mercury, decabromodiphenyl ether (DecaBDE), hexavalent chromium, polybrominated biphenyls (PBB) and polybrominated diphenyl ether (PBDE). The directive has strictly restricted the use of these materials in products sold within the EU since July 1, 2006. All NETGEAR products around the world fulfill the requirements of this directive.

NETGEAR products are sold by sales partners and service providers on a global scale. For further information visit our website **www.netgear.com.**

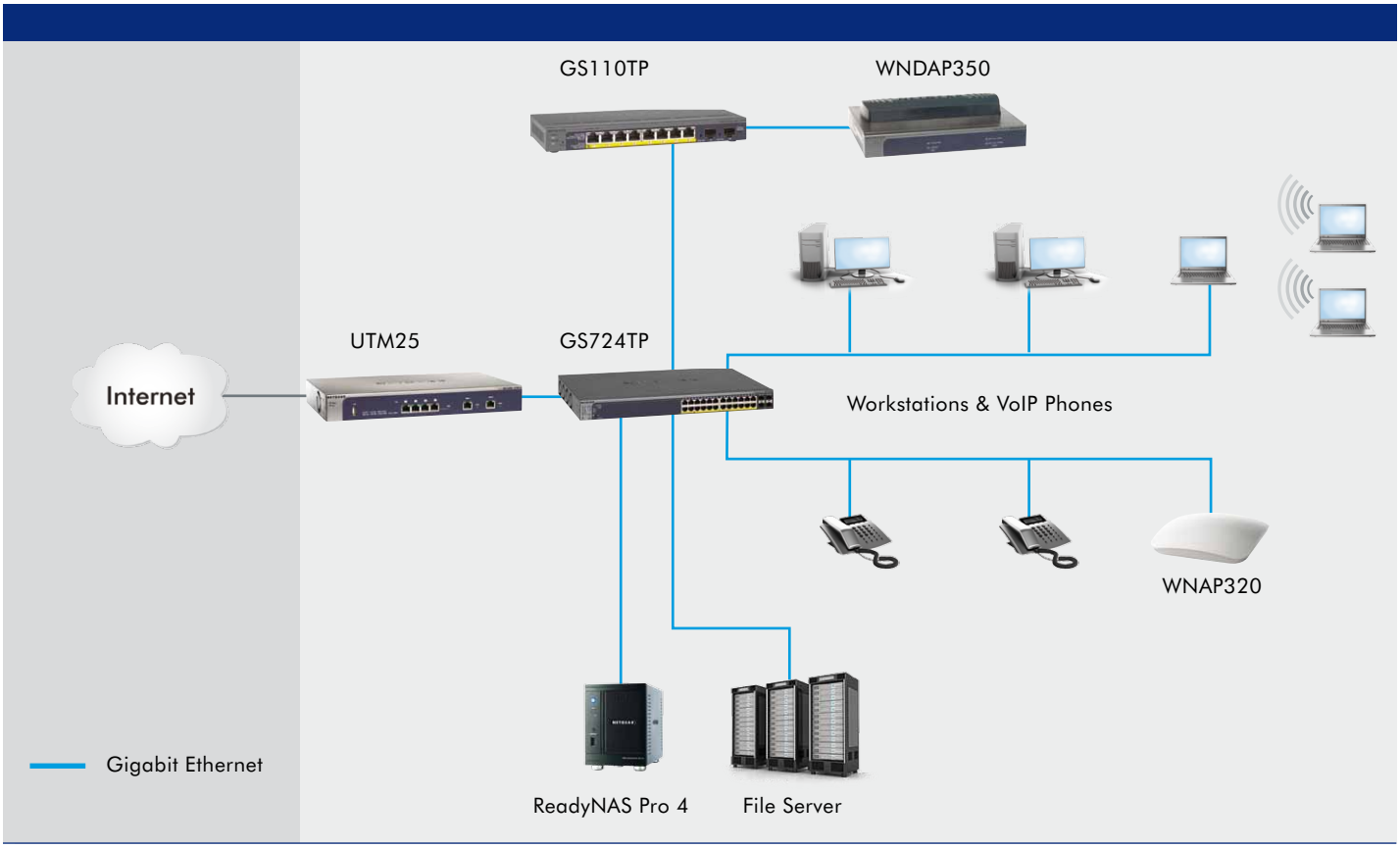
Business Solutions

		SoHo (1-20 Users)	Small Business (20-100 Users)	Medium Business (100-250 Users)	Large Business (250+ Users)
Solutions	Product Category	Product			
Mobility & Optimization of Business Processes Captive Portal Authentication for "Guest WLAN" (Controller) Fast Roaming for Real-Time Applications (Controller)	ProSafe WLAN (Page 32)				
	11a/b/g/n Access Point	WNDAP350, WNDAP360	WNDAP350, WNDAP360	WNDAP350, WNDAP360	WNDAP350, WNDAP360
	11b/g/n Access Point	WNAP320, WNAP210	WNAP320	WNAP320	WNAP320
	11 b/g Access Point	WG103			
	11 a/b/g Access Point	WAG102			
	WLAN Mangement Software	WMS105			
	WLAN Management System		WMS5316	WMS5316	
	WLAN Controller (11n)			WC7520	WC7520
Convergence (VoIP, Video, Data) Segmentation Security High Performance Switching Daten Center	ProSafe Switching (Page 12)				
	Page 15			Managed Switches (Central Switch for Connecting Server and Storage Systems)	Managed Switches (Core, Aggregation and Edge Switching Solutions)
	Page 20	Smart Switches	Smart Switches	Smart Switches (Access Switch)	
	Page 26	PLUS Switches			
	Page 26	Unmanaged Switches			
Internet Access Site and Office Networking Home Office Connection Mobile Access (Remote Access)	ProSafe VPN Firewall Router (Page 41)				
	ADSL2+ Modem	DM111PBL-100	DM111PBL-100		
	Wired		SRX5308	SRX5308	SRX5308
		FVS336G			
		FVS318G			
		FVS318			
	Wireless	FVS318N	FVS318N		
Security Email and Web Security Anti-Virus Anti-Spam Application Firewall	ProSecure® Email & Web Security (Page 46)				
		UTM5	UTM25	UTM50	STM300
		UTM9S	UTM50	UTM150	STM600
		UTM10	UTM150	STM150	
		UTM25	STM150	STM300	
Virtualization NAS and/or iSCSI SAN Storage Backup to Disk File Server Storage in MAC, Windows and LINUX Environments	ReadyNAS® Storage (Page 51)				
	Desktop	PRO2			
		PRO4	PRO4	PRO4	PRO4
		PRO6	PRO6	PRO6	PRO6
	Rackmount		2100	2100	2100
			3100	3100	3100
				3200	3200
				4200	4200
Management and Maintenance of Network Devices, Central Surveillance & Monitoring, Network Overview, Configuration, Policy Management	Network Management Software Solution				
		NMS200	NMS200	NMS200	NMS200
Extended Hardware Support	ProSupport™ Services				
		Express Hardware Replacement	Express Hardware Replacement	Express Hardware Replacement	Express Hardware Replacement
		On-call 24/7	On-call 24/7	On-call 24/7	On-call 24/7
		On-site Next Business Day *	On-site Next Business Day *	On-site Next Business Day *	On-site Next Business Day *
Quality	Warranty				
		ProSafe: Lifetime, ReadyNAS® for Business: 5 years, ProSecure: UTM (Lifetime); STM (2 Years)			

* 3-year Next business day onsite hardware replacement support included: See http://onsite.netgear.com for coverage, availability and terms and conditions.

Which solution is best suited to which business size?

The overview demonstrates how NETGEAR products can be optimally adapted to fulfill your specific business requirements. Select the column that corresponds to the number of company employees to find the recommended solution for each product group.



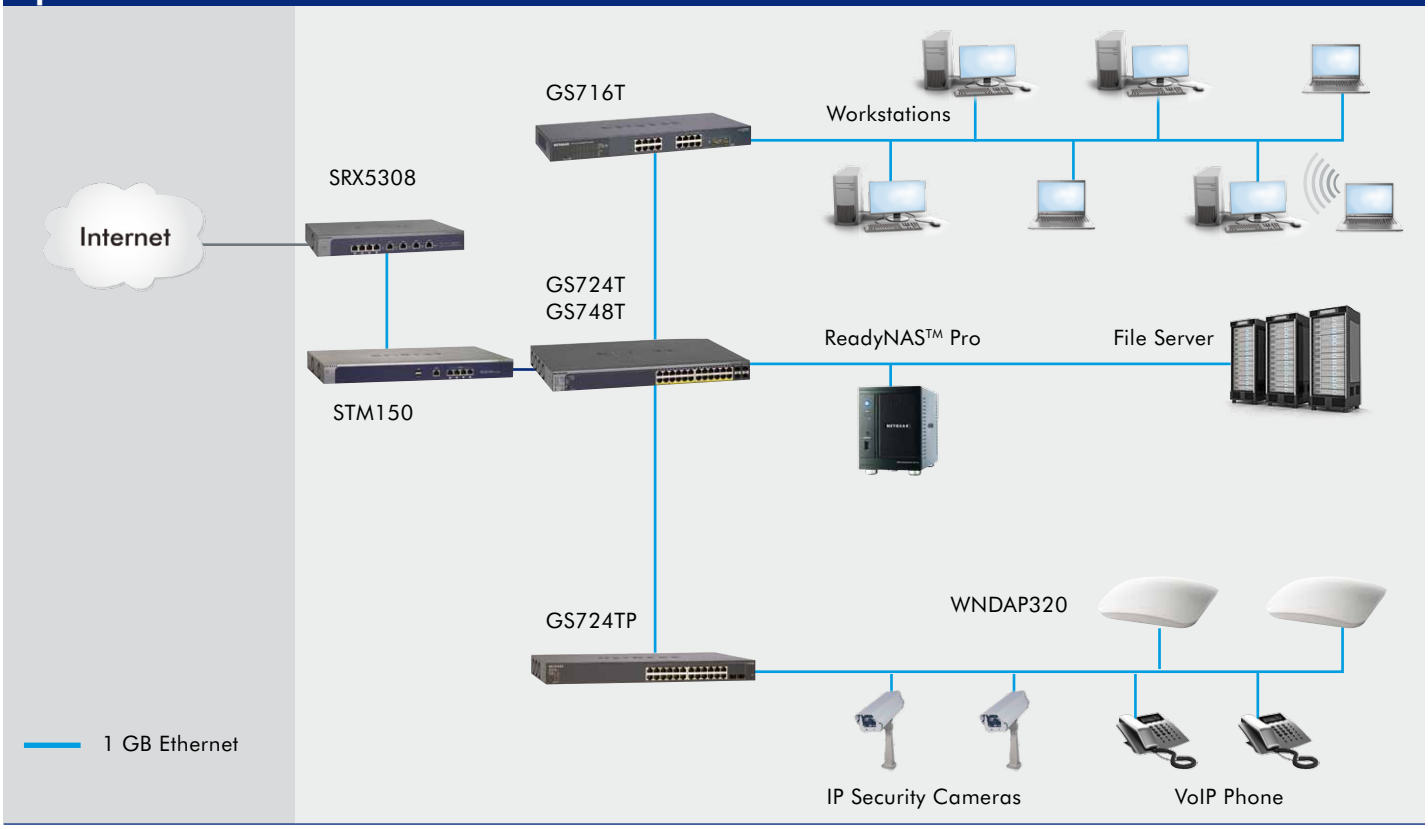
Network Solutions for Businesses with 1 to 20 Users

NETGEAR offers easy-to-install and operate network solutions that deliver optimal performance to meet your business requirements.

Possible Scenario (see diagram above)

- The ProSecure® UTM25 VPN Firewall guarantees a secure connection to the Internet as well as IPsec or SSL-encrypted access to the company's infrastructure via notebooks or work stations. This UTM appliance also provides email and web security, as well as effective protection against spam.
- The NETGEAR ProSafe Smart Switch (GS724TP) can be administered at the individual port level to prioritize data traffic according to the company's specifications; data can be sent and received at gigabit speed.
- Integrated Power-over-Ethernet (PoE) VoIP telephony and Wireless Access Points (WNAP320, WNDAP350) remove the requirement for a separate power supply, thereby maximizing deployment flexibility.
- The WNAP320 and WNDAP350 supplement an existing cabled network with a wireless network to provide visitors and mobile workers with wireless access to the internal network and the Internet from any location in the building.
- ReadyNAS® Pro 4 acts as a central file server and backup medium for clients and servers.

Up to 50 Users



Network Solutions for Businesses with 20-100 Users

Medium-sized businesses and branch offices have enormous volumes of data and a wide range of applications and servers. Therefore, professional network management is essential. The ability to network with company headquarters and provide access for field-based employees are also vital.

Possible Scenario (see diagram above):

- A ProSafe Dual WAN Gigabit Firewall with SSL and IPsec VPN (SRX5308) guarantees a secure, stable Internet connection to company headquarters through site-to-site IPsec VPN (Virtual Private Network) tunnels, as well as access for mobile employees via either IPsec or SSL VPN.
- The ProSecure STM150, positioned between the router and the switch, provides effective protection against spam, secures email and web traffic, and ensures efficiency in the workplace.
- ProSafe Smart Switches (GS716T, GS724T, GS748T) are connected to company servers via gigabit and form the central distribution point for PC clients, print servers and notebooks within the network.
- Wireless Access Points (WNAP320) and surveillance cameras are connected with a ProSafe PoE Smart Switch (GS724TP).
- ProSafe Wireless Access Points supplement the wired network and enable secure wireless network access for visitors.

Network Solutions for Businesses with 100-250 Users

The ability to effectively control, manage and secure network resources are becoming increasingly important in larger networks. The issue is further complicated by the growing number of users and devices, which has dramatically increased requirements for data and IT support. But adding, removing or converting devices to handle these growing requirements poses significant risks to the network and takes valuable IT time. NETGEAR solutions have been developed to simplify integration and optimization. Our solutions can help minimize downtime, reduce the administrative and support effort on behalf of administrators and optimize productivity.

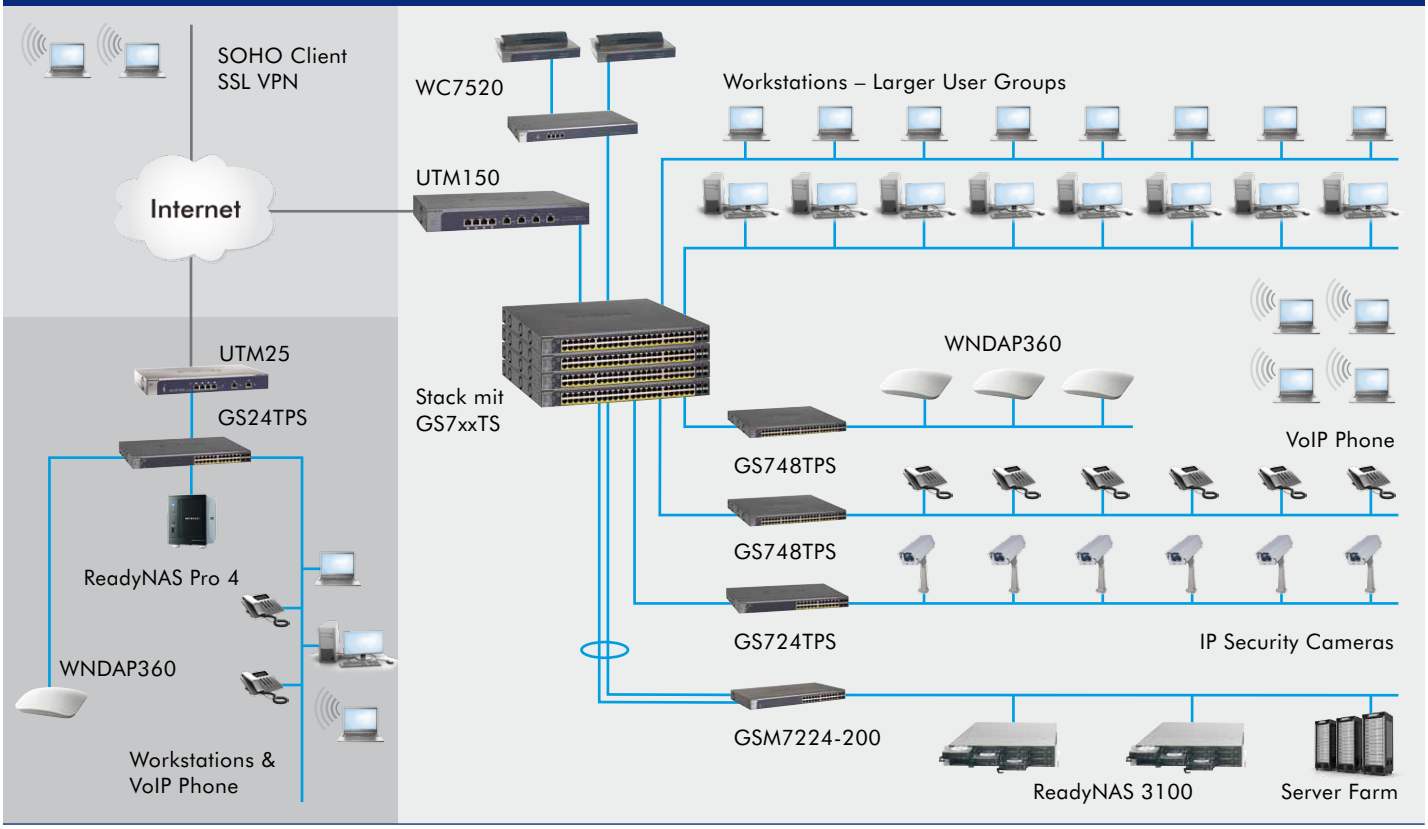
Possible Scenario (see diagram on next page)

Internet Access & Security

The ProSecure UTM 150 and UTM 25 combine firewall routing with web and email security. NETGEAR solutions support IPsec and SSL VPN standards to enable secure, encrypted remote access to business resources and applications at the organization's corporate headquarters.

- Site-to-Site VPN: Networking between a branch office and corporate headquarters via an IPsec VPN tunnel.
- Client-to-Site: Access for mobile employees. Access can be enabled via IPsec and/or SSL VPN, to support a wide range of use cases. When using IPsec as the security protocol, a suitable VPN IPsec Software Client (VPNG01L, VPNG05L) must be installed on the notebook. In contrast, the use of SSL for VPN access enables browser access.

From 50 to 200 Users



The ProSecure UTM 150 and UTM 25 Email and Web Security Appliances are positioned at the interface between the Internet and the LAN. All inbound and outbound traffic passes through them.

- Email security (filters email traffic to defend against spam, viruses and phishing attacks).
- Web security (filters web and FTP traffic to defend against viruses and spyware).

Switching

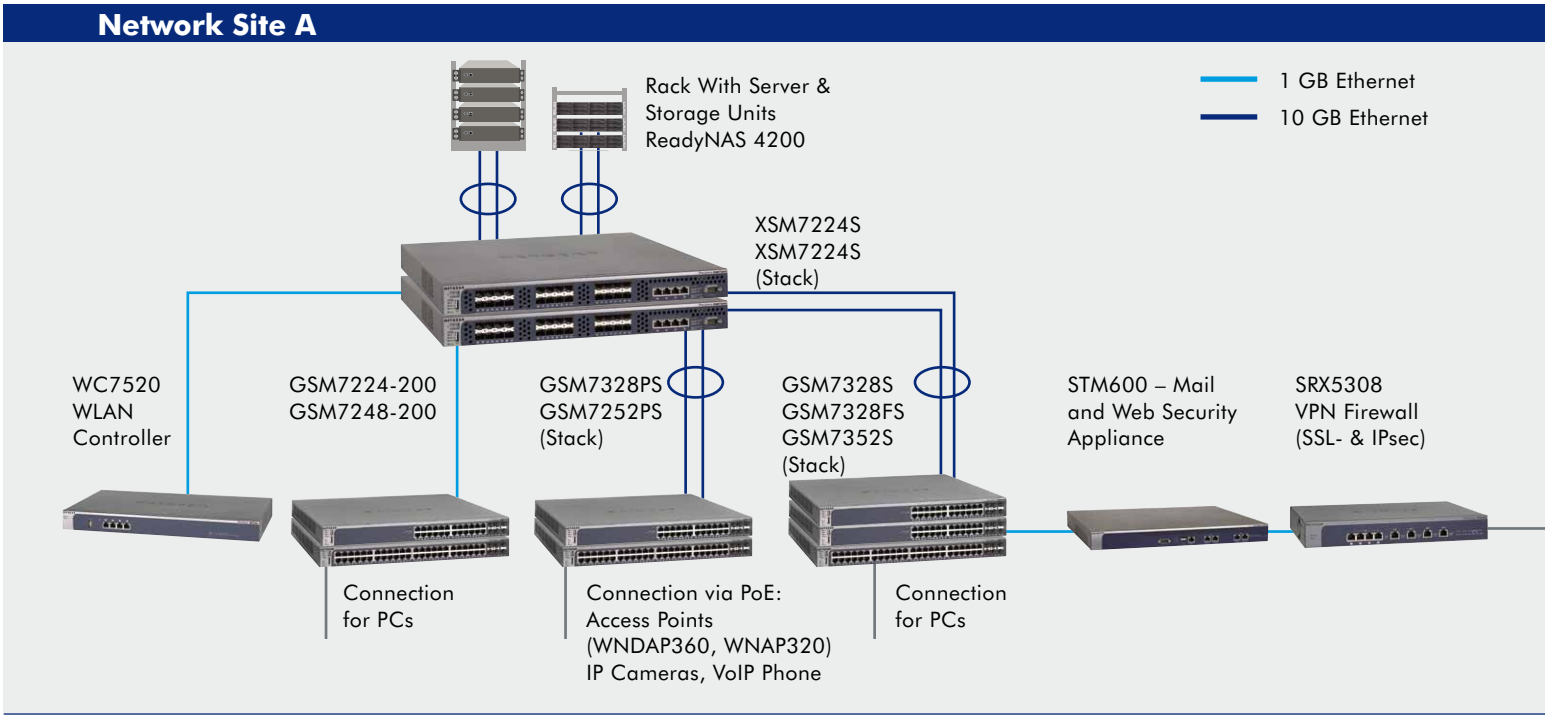
- Stackable Smart Switches (GS748TS, GS752TS, GS724TS and GS728TS) enable gigabit speeds for the many client connections to the network. Power-over-Ethernet models (GS7xxTPS) also power the Access Points via the data cable.
- A ProSafe GSM7224-200 Managed Switch with Static Routing is centrally located between the two areas, enabling bandwidth to be scaled as necessary. Communication with the user VLAN takes place via the GSM7224-200 to protect the server VLAN.

Mobility

- A ProSafe Wireless Controller (WC7520) allows up to 50 Access Points to be controlled from a central point.
- PoE-compatible Access Point connections allow for flexible installation.
- Wireless guest access, secured via Captive Portal.

Storage

ReadyNAS storage systems are used as file servers or backup media for servers and PC clients. ReadyNAS PRO is integrated in the Active Directory at the head office and controls each user's access rights to the individual shares. The storage unit at the head office provides up to 12 TB of storage capacity for data, images and video. A ReadyNAS Pro 4 storage system (up to 12 TB capacity) is installed at the branch office. Data synchronization between the branch office and corporate headquarters occurs every night via the VPN connection as a ReadyNAS controlled backup job. Using the rsync protocol, this can be initiated weekly, as either an incremental or a full backup. This entire setup, known as ReadyNAS Replicate™, runs as a service on each respective ReadyNAS system.



Network Solutions for Business with More Than 250 Users

The introduction of new technologies such as server virtualization and cloud computing has had a direct impact on the network infrastructures of large organizations. Companies with more than 200 users need to pay particular attention to maximizing productivity and efficiency, while optimizing costs. NETGEAR solutions support these needs by working together seamlessly to maximize performance, security and reliability.

Possible Scenario (see diagram above):

Internet Access

- The ProSafe Firewall (SRX5308) supports IPsec and SSL VPN standards to enable secure, encrypted access to business resources and applications at the organization's corporate headquarters.
- Networking between a branch or home office and corporate headquarters via an IPsec VPN tunnel.
- Access for mobile employees: Access can be enabled via IPsec and/or SSL VPN to support a wide range of use cases. When using IPsec as the security protocol, a suitable VPN IPsec Software Client (VPNG01L, VPNG05L) must be installed on the notebook. In contrast, the use of SSL for VPN access enables browser access.
- Client-to-Site: Access for mobile employees. Access can be enabled via IPsec and/or SSL VPN, to support a wide range of use cases. When using IPsec as the security protocol, a suitable VPN IPsec Software Client (VPNG01L, VPNG05L) must be installed on the notebook. In contrast, the use of SSL for VPN access enables browser access.

Added Value:

- Strong encryption to protect sensitive company data.
- Secure remote access for employees, resulting in optimized business processes (e.g. sales, production control, automation).
- Protection against malware and web-based attacks.

Security

The ProSafe STM300 and STM600 Email and Web Security Appliances are connected in the LAN between the ProSecure SRX5308 Firewall Router and the Core Switch. All inbound and outbound traffic passes through them.

- Email security (filters email traffic to defend against spam, viruses and phishing attacks).
- Web security (filters web and FTP traffic to defend against malware).

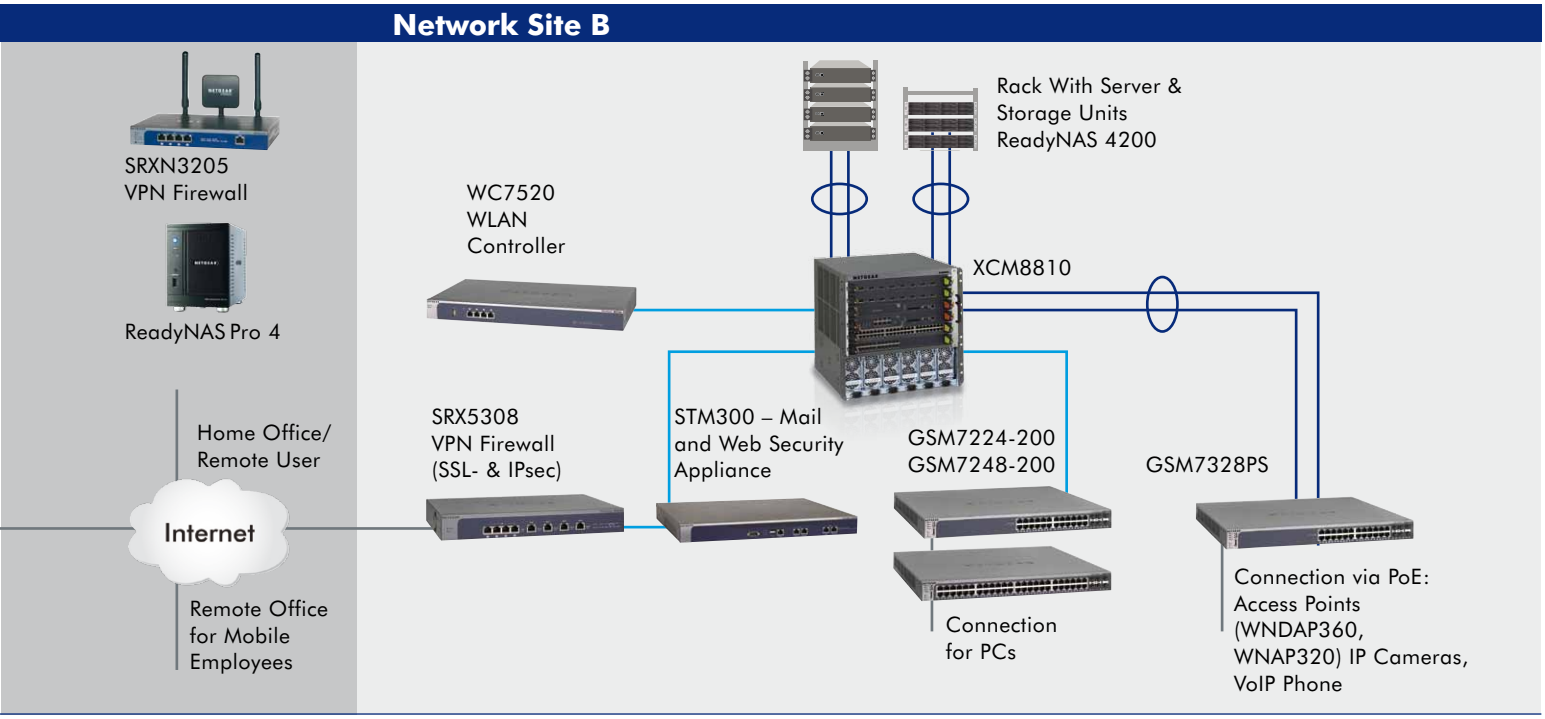
Added Value:

- Protection of external data communications.
- Increased operational efficiency through anti-spam and filters for various applications.

Switching

Convergence – the need for a standardized infrastructure for transferring multimedia services (data, voice and video) should be considered separately for each application, and should be implemented without incurring any qualitative losses.

- Voice over IP (VoIP) – low latency periods are required to transmit this service along with continual implementation of the Quality of Service (QoS) for the necessary prioritization of data packets.
- Video on Demand (VoD) requires sufficient bandwidth to efficiently distribute large volumes of data within the network.
- Transferring large volumes of data – during data backup, large files are transferred across the network, which can create considerable bottlenecks. To avoid these bottlenecks, administrators can effectively manage bandwidth (10 gigabit/s recommended) by employing virtual LANs (VLANs) to segment server, storage and user traffic.
- Virtualization – logical and physical servers are separate from the data storage systems, with high-performance switches directly connecting the two areas. NETGEAR recommends the use of at least two switches in the stack (GSM7328S or XSM7224S) to redundantly connect the



servers and storage systems, resulting in duplicated bandwidth (link aggregation), load distribution (LACP) and – in the event of an error – low switching times. The network design determines the selection and positioning of the devices. NETGEAR XCM8800, XSM7224S and GSM7xxx(P)S switches can be positioned in either the central area or the access area. The XCM8800 Series utilizes a modular design for a flexible, customized solution. The XSM7224S and GSM7xxx(P)S can be operated as single devices or in a stack. Redundancy and availability are provided through a combination of duplicated physical connections, in addition to functions such as dynamic Routing Protocols (RIP, OSPF), VRRP, Rapid Spanning Tree and Link Aggregation. Investment protection is ensured with the IPv6 implementation.

Added Value:

- Convergence – a standardized Ethernet infrastructure for different applications reduces costs and administrative effort.
- High availability and automated failover – business-critical applications are continuously available, for maximum operational efficiency.
- High performance –10 gigabit connection speeds quickly transfer large volumes of data.

Mobility

ProSafe Wireless LAN Access Points (WNDAP350, WNDAP360, WNAP320) are connected to the data network via Power over Ethernet Switches (GSM72xxPS). All access points are centrally administrated by a single WC7520 WLAN Controller, enabling simultaneous implementation of security policies across the system. Captive Portal provides guests with separate wireless access from the company network.

Added Value:

- Mobility support and faster, more flexible access to business resources. Work processes are accelerated and optimized.
- Mobile end user devices such as smartphones and notebooks can directly, securely access the Enterprise Resource Planning System (ERP).
- Strong encryption protects private corporate data.

Storage

ReadyNAS storage systems are used as file servers or backup media for servers and PC clients. The ReadyNAS 4200 is integrated in the Active Directory at the head office and controls each user's access rights to the individual shares. The storage unit at the head office provides up to 24 TB of storage capacity for data, images and video. Additional ReadyNAS systems are installed at the branch office and home office. Data synchronization between the branch office, head office and home office takes place regularly using the ReadyNAS Replicate function as a backup job controlled by the ReadyNAS. Using the rsync protocol, incremental backups are performed to minimize required bandwidth, and different versions of the data can be created. This entire setup, known as ReadyNAS Replicate, runs as a service on the respective ReadyNAS system.

Added Value:

- Disk backup systems (NAS or iSCSI SAN) are more readily available in the disaster recovery process than conventional tape systems.
- They have scalable storage capacity and employ X-RAID™ technology for dynamic capacity extension.
- They support a wide range of client operating systems.
- ReadyNAS Replicate automates the data backup process.

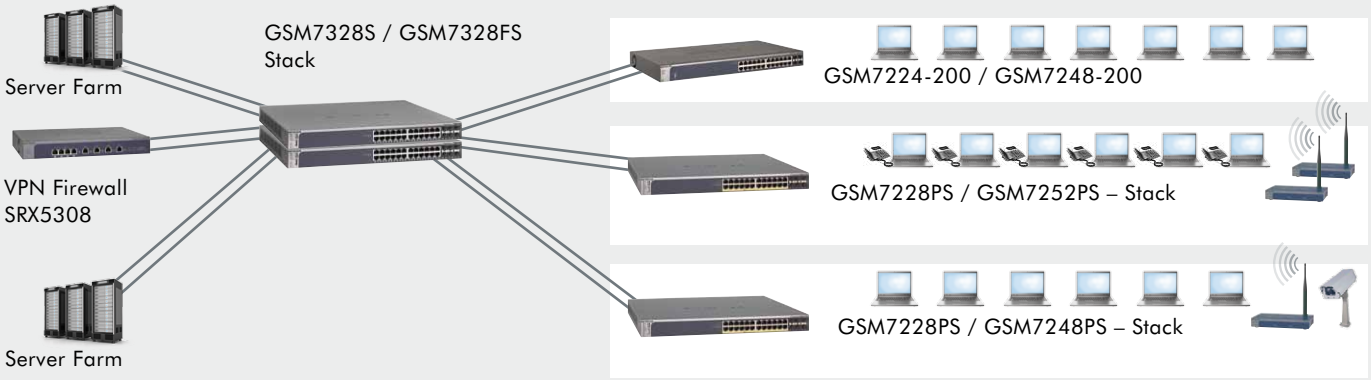
There is nothing more electrifying than a switch!

Intelligent switching is essential to the productivity of larger networks. Because modern network structures have become more complex and sophisticated, NETGEAR offers an array of switches, including:

- Managed Switches
- Smart Switches
- PLUS Switches
- Unmanaged Switches

ProSafe Switching: Availability and Redundancy

· Segmentation (VLANs) (Separation of Voice/Data)
· Availability and Redundancy – Same Level by Comparing Both Technologies (VoIP/Classic Telephony)



The Name Says It All

NETGEAR ProSafe Switches are equipped with various functions to enable optimal integration into the network in line with requirements. The product name states what it does.
Managed Switches Series:
XCM8800 / XSM7000 / GSM7000 / FSM7000

- FSM = Fast Ethernet Switch Managed
- GSM = Gigabit Ethernet Switch Managed
- XSM = 10 Gigabit Ethernet Switch Managed
- XCM = Chassis Switch Managed

Example 1
GSM 7 2 28 P S
7000 Identifier Series Switch
2 (2nd Digit) = Layer 2
28 = Absolute Number of Ports (the last two digits in each case)
P= Power over Ethernet
S= Stackable

Example 1
GSM 7 3 52 S
7000 Series Switch
3 (2nd Digit) = Layer 3
52 = Absolute Number of Ports (the last two digits in each case)
S= Stackable

NETGEAR ProSafe Switches enable optimal integration into the network to meet a wide range of business needs:

Managed Switches enable stacking, 10 Gbit Ports, IPv6, dynamic routing and Power over Ethernet. They also provide extensive redundancy mechanisms for maximum availability.

Communication Switches transfer email, voice and image data via a standardized infrastructure.

Unified Communications Switches employ a standardized infrastructure for the service-based transfer of voice, video and data across Wireless Access Points, IPCams and IP telephones.

Application Scenario
To facilitate extensive modifications to the company's work processes, hand scanners are utilized to forward data directly to the ERP system via Wireless Access Points. Additionally, IP telephony is introduced and IP cameras are installed inside and outside the building to increase security. PCs, notebooks, printers and access controls to the building and employee offices will all be integrated via wired and wireless technology. NETGEAR ProSafe switches enable each of these network services to be delivered – easily and efficiently, while reducing costs.

The XCM8800 series is available as a 6-or-10-slot Chassis, and utilizes a modular design for a flexible, customized solution. The XCM8800 enables high performance switching, availability and redundancy. With a complete line of plug-and-play modules, the XCM8800 can be configured to deliver the network services that best fits the needs of small and medium-sized businesses, while eliminating complexity.

XCM8800 Chassis Switch

Warranty:	3-Year
Service Pack:	3-Year Next Business Day On-site Replacement support This support service is included in the delivery scope and applies in the following countries: USA, Canada, Austria, Belgium, France, Germany, Ireland, Luxembourg, Netherlands and the UK
Advanced Service Packs: (not included in delivery)	Advanced Technical Support (24x7) with Software Maintenance/Subscription: Tech Support includes installation, configuration and diagnostics support (via remote access) Direct Access to the Level 3 Support Teams Access to Software Updates and Tech Alarm Messages Escalation Management with Plan of Action (POA) Separate Free Hotline Number One Service Pack per Chassis For 6-slot Chassis (XCM8806): Americas: PAS0314-100NAS (electronic voucher) Europe: PAS0314-100EUS (physical voucher) Asia: PAS0314-100AUS (physical voucher) For 10-slot Chassis (XCM8810): Americas: PAS0314-100NAS (electronic voucher) Europe: PAS0314-100EUS (physical voucher) Asia: PAS0314-100AUS (physical voucher)

Ordering Information

Empty Chassis:	
XCM8806-10000S	NETGEAR 8800 Series 6-slot Chassis Switch
XCM8810-10000S	NETGEAR 8800 Series 10-slot Chassis Switch
Supervisory Module:	
XCM88S1-10000S	NETGEAR 8800 Series Supervisory Module
XCM888F-10000S	NETGEAR 8800 Series 8-port 1000Base-X SFP Card for XSM88S1
I/O Modules:	
XCM8848T-10000S	NETGEAR 8800 Series 48-port 10/100/1000Base-T Module
XCM88P-10000S	NETGEAR 8800 Series PoE Daughter Card for XCM8848T
XCM8824F-10000S	NETGEAR 8800 Series 24-port 1000Base-X SFP Module
XCM8808X-10000S	NETGEAR 8800 Series 8-port 10GBase-XFP Module
Power Supply:	NETGEAR 8800 Series 100-240VAC Power
XCM88PS1-10000S	Supply Unit
License upgrade:	NETGEAR 8800 Series Advanced Core Software
XCM88ASL-10000S	License Upgrade (physical voucher)

Accessories:	
XCM8806PC-10000S	NETGEAR 8800 Series Power Supply Bay Cover for XCM8806
XCM8810PC-10000S	NETGEAR 8800 Series Power Supply Bay Cover for XCM8810
XCM8806FT-10000S	NETGEAR 8800 Series Spare Fan Tray Unit for XCM8806
XCM8810FT-10000S	NETGEAR 8800 Series Spare Fan Tray Unit for XCM8810
XCM88FPB-10000S	NETGEAR 8800 Series Spare Fan/PSU Controller Unit
Optics and Cables:	
AGM731F	NETGEAR ProSafe 1000Base-SX SFP LC GBIC (multimode, 550m OM3, 275m OM1)
AGM732F	NETGEAR ProSafe 1000Base-LX SFP LC GBIC (single mode, 10km)
AXM751	NETGEAR ProSafe 10GBase-SR XFP LC Optics (multimode, 300m OM3, 33m OM1)
AXM752	NETGEAR ProSafe 10GBase-LR XFP LC Optics (single mode, 10km)
AXC753-10000S	NETGEAR ProSafe 3m Direct Attach XFP to SFP+ Cable
Management:	Network Management Software NMS200

		FULLY MANAGED, L2, FAST ETHERNET	FULLY MANAGED, LITE L3 ROUTING, GIGABIT		
MODEL		FSM726v3	GSM7224v2	GSM7248v2	GSM5212P
Port Configuration	10/100 Ports (Auto Uplink)	24			
	10/100/1000 Ports (Auto Uplink)	2	24	48	12
	Fiber Ports	2 SFP	4 SFP	4 SFP	4 SFP
	10Gig Module Bays				
PoE	Power Over Ethernert 802.3af Ports				12
	PoE Plus (30W) 802.3at Ports				12
	Total PoE Budget				22W (Pass-Through) – 125W (PSU)
Stacking	Number of Dedicated Stacking Ports				
	Stacking bandwidth				
	Stacking (maximum capacity)				
	Stacking Compatibility				
Scalability	# MAC Addresses	8,000	8,000	8,000	16,000
	ARP Table – size of		480	480	512
	# Routing Entries		32	32	34
	# ACL Rules	224	224	224	512
System Management	Single IP Management				
	Web Managed/GUI	•	•	•	•
	Command Line Interface/RS232 Console/Telnet	•	•	•	• (including mini-USB console)
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client	Client/Server	Client/Server	Client/Server
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	•	•	•	•
Quality of Service	Number of Priority Queues	8	8	8	8
	Traffic Prioritization	802.1p ; Diffserv	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	•	•	•	•
Multicast	IGMP Snooping version	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping querier	•	•	•	•
Performance	Bandwidth	8.8 Gbps	48 Gbps	96 Gbps	24 Gbps
	Buffer Memory	8 MB Per System	6 MB Per System	12 MB Per System	12 MB Per System
	Jumbo Frames	•	•	•	•
Availability	Spanning Tree 802.1d/RSTP .1w/ MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply		•	•	PD Mode
	Modular Power Supply				
Traffic Management	Number of 802.1q Vlan/Number of Vlan Group	512/512	1,024/1,024	1,024/1,024	1,024/1,024
	Link Agregation 802.3ad/LACP	•	•	•	•
	Discovery Protocol LLDP 802.1ab	•	•	•	•
	Rate Limiting	•	•	•	•
	Broadcast Storm Control	•	•	•	•
Routing	Static Routing		•	•	•
	RIP I, RIP II, OSPF, VRRP, EMCP				
	IPv6, Multicast routing				
Security	IEEE 802.1x (RADIUS)	•	•	•	•
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	•	•	•	•
	DHCP Snooping/IP Source Guard/ ARP Guard	•	•	•	•
	TACACS+	•	•	•	•
Energy Efficiency	Energy Star				
	Auto Port Power Down				
	Dynamic Power Consumption				
	Power Consumption	15 Watts	38.5 watts	71.5 Watts	166.6 Watts (Max PoE)
Physical	Desktop/Rackmount	R	R	R	D
	Metal/Plastic Enclosure	M	M	M	M
	MTBF	562,110 Hours	239,032 Hours	162,303 Hours	766,618 hours
	Acoustic Noise	36.6 dBA	38.6 dBA	48.8 dBA	Min 19.8dB / Max 35.1dB
	Fan	•	•	•	•
	Width x Depth x Height	440 x 205 x 43 mm (17.32 x 8.1 x 1.7 in)	440 x 205 x 43 mm (17.3 x 8.1 x 1.6 in)	440 x 205 x 43 mm (17.3 x 8.1 x 1.6 in)	331 x 208 x 44 mm (13.03 x 8.19 x 1.73 in)
	Weight	2.8 kg (6.1 lb)	3.65 kg (8.03 lb)	4.15 kg (9.13 lb)	2.596 kg (5.73 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A
Warranty Hardware		Lifetime with 3-Year Onsite NBD*	Lifetime with 3-Year Onsite NBD*	Lifetime with 3-Year Onsite NBD*	Lifetime with 3-Year Onsite NBD*
Warranty Power Supply					
Modules		AFM735/AGM731F/ AGM732F/RPS5412	AFM735/AGM731F/ AGM732F	AFM735/AGM731F/ AGM732F/RPS5412	AFM735/AGM731F/ AGM732F
Prosupport Maintenance PKGS	On Call 24x7/XPRESSHW	Included Lifetime ProSupport PRR0331	Included Lifetime ProSupport PRR0332	Included Lifetime ProSupport PRR0333	Included Lifetime ProSupport PRR0332

* 3-year Next business day onsite hardware replacement support included: See http://onsite.netgear.com for coverage, availability and terms and conditions.

		FULLY MANAGED, LITE L3 ROUTING, GIGABIT		
MODEL		GSM7212F	GSM7212P	GSM7224P
Port Configuration	10/100 Ports (Auto Uplink)			
	10/100/1000 Ports (Auto Uplink)	12	12	24
	Fiber Ports	12 SFP	4 SFP	4 SFP
	10Gig Module Bays			
PoE	Power Over Ethernert 802.3af Ports	4	12	24
	PoE Plus (30W) 802.3at Ports	4	12	24
	Total PoE Budget	150W	380W	380W
Stacking	Number of Dedicated Stacking Ports			
	Stacking bandwidth			
	Stacking (maximum capacity)			
	Stacking Compatibility			
Scalability	# MAC Addresses	16,000	16,000	16,000
	ARP Table – size of	512	512	512
	# Routing Entries	64	64	64
	# ACL Rules	512	512	512
System Management	Single IP Management			
	Web Managed/GUI	•	•	•
	Command Line Interface/RS232 Console/ Telnet	•	•	•
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client/Server	Client/Server	Client/Server
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set	•	•	•
Quality of Service	Number of Priority Queues	8	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	•	•	•
Multicast	IGMP Snooping version	v1, v2, v3	v1, v2, v3	v1, v2, v3
	IGMP Snooping querier	•	•	•
Performance	Bandwidth	24 Gbps	24 Gbps	48 Gbps
	Buffer Memory	12 MB Per System	12 MB Per System	12 MB Per System
	Jumbo Frames	•	•	•
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply	•	•	•
	Modular Power Supply			
Traffic Management	Number of 802.1q Vlan/Number of Vlan Group	1,024/1,024	1,024/1,024	1,024/1,024
	Link Agregation 802.3ad/LACP	•	•	•
	Discovery Protocol LLDP 802.1ab	•	•	•
	Rate Limiting	•	•	•
	Broadcast Storm Control	•	•	•
Routing	Static Routing	•	•	•
	RIP I, RIP II, OSPF, VRRP, EMCP			
	IPv6, Multicast routing			
Security	IEEE 802.1x (RADIUS)	•	•	•
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	•	•	•
	DHCP Snooping/IP Source Guard/ARP Guard	•	•	•
	TACACS+	•	•	•
Energy Efficiency	Energy Star			
	Auto Port Power Down			
	Dynamic Power Consumption			
	Power Consumption	160.6 Watts (Max PoE)	452 Watts (Max PoE)	533 Watts (Max PoE)
Physical	Desktop/Rackmount	R	R	R
	Metal/Plastic Enclosure	M	M	M
	MTBF	670,956 hours	422,436 hourss	394,619 hours
	Acoustic Noise	Min 30dB / Max 48dB	Min 35.8dB / Max 50.3dB	Min 33.8dB / Max 49.9dB
	Fan	•	•	•
	Width x Depth x Height	440 x 257 x 44 mm (17.3 x 10.12 x 1.73 in)	440 x 257 x 44 mm (17.3 x 10.12 x 1.73 in)	440 x 257 x 44 mm (17.3 x 10.12 x 1.73 in)
	Weight	3.665 kg (8.08 lb)	4.021 kg (8.86 lb)	4.368 kg (9.63 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime with 3-Year Onsite NBD*	Lifetime with 3-Year Onsite NBD*	Lifetime with 3-Year Onsite NBD*
Warranty Power Supply				
Modules		AFM735/AGM731F/AGM732F/ RPS5412	AFM735/AGM731F/AGM732F/ RPS5412	AFM735/AGM731F/AGM732F/ RPS5412
Prosupport Maintenance PKGS	On Call 24x7/XPRESSHW	Included Lifetime ProSupport PMB0332/PRR0332	Included Lifetime ProSupport PMB0332/PRR0332	Included Lifetime ProSupport PMB0332/PRR0332

* 3-year Next business day onsite hardware replacement support included: See http://onsite.netgear.com for coverage, availability and terms and conditions.

FULLY MANAGED, LITE L3 ROUTING, GIGABIT		MANAGED, LITE L3 ROUTING, 10 GIGABIT	MANAGED, L3 ROUTING, GIGABIT		
GSM7228PS	GSM7252PS	XSM7224S	GSM7328Sv2	GSM7328FS	GSM7352Sv2
24	48	4 10GBase-T	24		48
4 SFP/2 SFP+ (10Gig)	4 SFP/2 SFP+ (10Gig)	24 SFP+ (10Gig)	4 SFP/2 SFP+ (10Gig)	24 SFP	4 SFP/2 SFP+ (10Gig)
2 10Gig bays	2 10Gig bays		2 10Gig bays	4 10Gig bays	2 10Gig bays
24	48				
8	8				
384W	384W				
2	2	4	2	2	2
48 Gbps	48 Gbps	80 Gbps	48 Gbps	48 Gbps	48 Gbps
8 units or 384 ports	8 units or 384 ports	96 ports	8 units or 384 ports	8 units or 384 ports	8 units or 384 ports
GSM72xxPS/GSM73xxS/FS	GSM72xxPS/GSM73xxS/FS	XSM7224S	GSM72xxPS/GSM73xxS/FS	GSM72xxPS/GSM73xxS/FS	GSM72xxPS/GSM73xxS/FS
8,000	8,000	32,000	8,000	8000	8,000
1792	1792	6144	1792	1792	1792
480	480	480	480	480	480
1,024 Global	1,024 Global	2,048 ingress,egress	1,024 Global	1,024 Global	1,024 Global
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9
Client/Server	Client/Server	Client/Server	Client/Server	Client/Server	Client/Server
Many-to-One	Many-to-One	Many-to-One	Many-to-One	Many-to-One	Many-to-One
•	•	•	•	•	•
8	8	8	8	8	8
802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
•	•	•	•	•	•
v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3
•	•	•	•	•	•
144 Gbps	192 Gbps	480 Gbps	144 Gbps	144 Gbps	192 Gbps
6 MB Per System	12 MB Per System	16MB Per System	6 MB Per System	6 MB Per System	12 MB Per System
•	•	•	•	•	•
802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
•	•	Second optional APS300W	•	•	•
APS525W	APS525W	APS300W	APS135W		APS135W
1,024/1,024	1,024/1,024	1,024/1,024	1,024/1,024	1,024/1,024	1,024/1,024
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
with GSM7228PL license	with GSM7252PL license	with XSM7224L license	•	•	•
with GSM7228PL license	with GSM7252PL license	with XSM7224L license	•	with GSM7328FL licence	•
•	•	•	•	•	•
MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP
SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
545 Watts (Max PoE)	570 Watts (Max PoE)	195.2 Watts	80 Watts	80 Watts	110 Watts
R	R	R	R	R	R
M	M	M	M	M	M
117,747 Hours	117,747 Hours	180,178 Hours	117,747 Hours	117,747 Hours	117,747 Hours
52.4 dBA	51.7 dBA	44 dBA	52.4 dBA	52.4 dBA	51.7 dBA
•	•	•	•	•	•
440 x 391 x 43 mm (17.32 x 15.4 x 1.7 in)	440 x 391 x 43 mm (17.32 x 15.4 x 1.7 in)	440 x 431 x 43 mm (17.32 x 17 x 1.7 in)	440 x 385 x 43 mm (17.32 x 15.16 x 1.7 in)	440 x 385 x 43 mm (17.32 x 15.16 x 1.7 in)	440 x 385 x 43 mm (17.32 x 15.16 x 1.7 in)
6.8 kg (14.99 lb)	6.8 kg (14.99 lb)	6.3 kg (13.89 lb)	4.5 kg (10lb)	5.4 kg (12lb)	5.4 kg (12lb)
A	A	A	A	A	A
Lifetime with 3-Year Onsite NBD*	Lifetime with 3-Year Onsite NBD*	Lifetime with 3-Year Onsite NBD*	Lifetime with 3-Year Onsite NBD*	Lifetime with 3-Year Onsite NBD*	Lifetime with 3-Year Onsite NBD*
AFM735; AGM731F/AGM732F; AX742; AX743; AX744; AXM761/AXM762/AXM763; AXC761/AXC763/AXC753; APS525W/RPS5412	AFM735; AGM731FAGM732F; AX742; AX743; AX744; AXM761/AXM762/AXM763; AXC761/AXC763/AXC753; APS525W/RPS5412	AGM731F/AGM732F/ AGM734; AXM761/ AXM762/AXM763; AXC761/AXC763/AXC753; APS300W; AFT200	AFM735; AGM731FAGM732F; AX742; AX743; AX744; AXM761/AXM762/AXM763; AXC761/AXC763/AXC753; APS135W;RPS5412	AFM735; AGM731FAGM732F; AX742; AX743; AX744; AXM761/ AXM762/AXM763; AXC761/ AXC763/AXC753; RPS5412	AFM735; AGM731FAGM732F; AX742; AX743; AX744; AXM761/ AXM762/AXM763; AXC761/ AXC763/AXC753; APS135W; RPS5412
Included Lifetime ProSupport PRR0333	Included Lifetime ProSupport PRR0334	Included Lifetime ProSupport Included 3-year Onsite PRR0334	Included Lifetime ProSupport Included 3-year Onsite PRR0333	Included Lifetime ProSupport Included 3-year Onsite PRR0333	Included Lifetime ProSupport Included 3-year Onsite PRR0334

* 3-year Next business day onsite hardware replacement support included: See http://onsite.netgear.com for coverage, availability and terms and conditions.

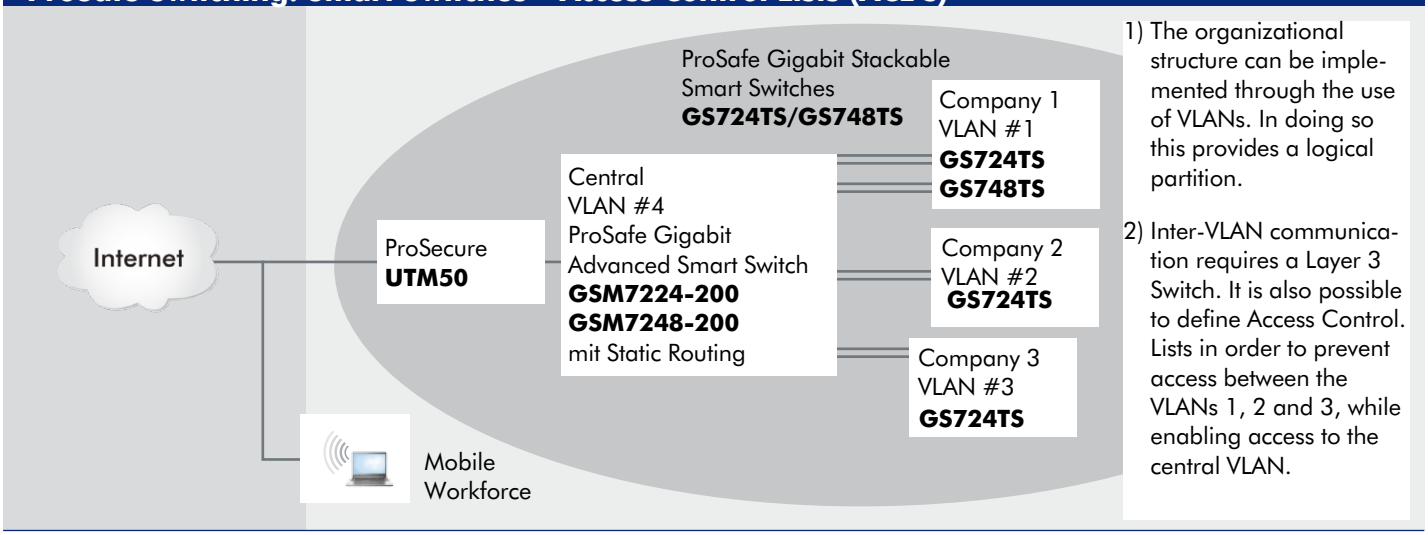
		MANAGED, L3, 10 GIGABIT	
MODEL		XCM8806	XCM8810
Port Configuration	10/100 Ports (Auto Uplink)		
	10/100/1000 Ports (Auto Uplink)		
	Fiber Ports		
	10Gig Module Bays	6 slots	10 slots
PoE	Power Over Ethernert 802.3af Ports	Up to 384 ports	Up to 192 ports
	PoE Plus (30W) 802.3at Ports		
	Total PoE Budget	See online configurator	See online configurator
Stacking	Number of Dedicated Stacking Ports		
	Stacking bandwidth		
	Stacking (maximum capacity)		
	Stacking Compatibility		
Scalability	# MAC Addresses	32,000	32,000
	ARP Table – size of	8,000	8,000
	# Routing Entries	12,000	12,000
	# ACL Rules	4,000 ingress, egress per 24-port block	4,000 ingress, egress per 24-port block
System Management	Single IP Management	•	•
	Web Managed/GUI	•	•
	Command Line Interface/RS232 Console/Telnet	•	•
	SNMP Version	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client/Server	Client/Server
	Port Mirroring	Many-to-One	Many-to-One
	IPv6 full set	•	•
Quality of Service	Number of Priority Queues	8	8
	Traffic Prioritization	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN		
Multicast	IGMP Snooping version	v1, v2, v3	v1, v2, v3
	IGMP Snooping querier	•	•
Performance	Bandwidth	Up to 416 Gbps/16MB Per 24-port block	Up to 800 Gbps/16MB Per 24-port block
	Buffer Memory	16 MB Per 24-port block	16 MB Per 24-port block
	Jumbo Frames	•	•
Availability	Spanning Tree 802.1d/RSTP .1w/ MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply	N+1PSU redundancy	N+1PSU redundancy
	Modular Power Supply	Up to 6 XCM88PS1	Up to 6 XCM88PS1
Traffic Management	Number of 802.1q Vlan/Number of Vlan Group	4000/4000	4000/4000
	Link Agregation 802.3ad/LACP	•	•
	Discovery Protocol LLDP 802.1ab	•	•
	Rate Limiting	•	•
	Broadcast Storm Control	•	•
Routing	Static Routing	•	•
	RIP I, RIP II, OSPF, VRRP, EMCP	•	•
	IPv6, Multicast routing	•	•
Security	IEEE 802.1x (RADIUS)	•	•
	ACL - Access Control Lists	MAC, IP, TCP	MAC, IP, TCP
	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS
	Guest VLAN	•	•
	DHCP Snooping/IP Source Guard/ ARP Guard	•	•
	TACACS+	•	•
Energy Efficiency	Energy Star		
	Auto Port Power Down		
	Dynamic Power Consumption		
	Power Consumption	See online configurator	See online configurator
Physical	Desktop/Rackmount	R	R
	Metal/Plastic Enclosure	M	M
	MTBF	–	–
	Acoustic Noise	54 dBA	55 dBA
	Fan	•	•
	Width x Depth x Height	445 x 463 x 622 mm (17.51 x 18.23 x 24.47 in)	445 x 463 x 622 mm (17.51 x 18.23 x 24.47 in)
	Weight	29.5 kg (65lb)	35.8 kg (79lb)
Electromagnetic Compliance	Class (A or B)	A	A
Warranty Hardware		3-Year	3-Year
Warranty Power Supply			
Modules		XCM88S1/XCM888F/XCM8848T/ XCM88P/XCM8824F/XCM8808X/ XCM88PS1/XCM8806PC/XCM88ASL/ XCM8806FT/XCM88FPB; AFM735; AGM731F/AGM732F/AGM734; AXM751/AXM752; AXC753	AFM735/AXCM88S1/XCM888F/XCM8848T/XCM88P/ XCM8824F/XCM8808X/XCM88PS1/XCM8810PC/ XCM88ASL/XCM8810FT/XCM88FPB; AFM735; AGM731F/ AGM732F/AGM734; AXM751/AXM752; AXC753GM731F/ AGM732F; AXM761/AXM762/AXM763; AXC761; APS300W; AFT200
Prosupport Maintenance PKGS	On Call 24x7/XPRESSHW	Included 3-year Onsite NBD Replacement PAS0314	Included 3-year Onsite NBD Replacement PAS0316

Smart Switches FS700T / GS700T Series

- FS = Fast Ethernet Switch
- GS = Gigabit Ethernet Switch

Example:
G S 7 4 8 T P S
100T or 700T = Smart Switches
48 = Absolute Number of Ports
P = Power over Ethernet (PoE)
S = Stackable

ProSafe Switching: Smart Switches – Access Control Lists (ACL's)



In terms of functionality and price, the product category for Smart Switches sits between the expensive and complex Managed Switches and the Unmanaged Switches. Through the moderately scaled functional scope that is illustrated in different modules, the customer is able to find the appropriate switch to meet the requirements in each particular case. The functional spectrum incorporates features such as Stacking, Routing, Power over Ethernet (PoE), Gigabit or Fast Ethernet, Access Control Lists as well as Voice VLAN with Prioritization and so on.

NETGEAR's ProSafe Smart Switches provide more than just connectivity. They are equipped with a functional scope that fulfills the requirements of small and medium-sized businesses. Low complexity level, easy to handle and an efficient price-performance ratio are the most important decision-making criteria in this case. The intuitive web browser interface (ProSafe Control Center) offers Basis Layer 2 management functions such as monitoring and port configuration.

Migration
If business requirements grow beyond what can be provided by Unmanaged Switches, NETGEAR also offers a comprehensive line of Smart Switches.

Extension
NETGEAR ProSafe smart switches are also an excellent, low-cost option for connecting a small number of workstations to the core area of the network.

Security
What happens when a visitor attempts to access the company network using his personal laptop? Providing a partition between the guest and internal networks provides customers, vendors, and contractors with guest Internet access, while inhibiting them from accessing critical company data. ProSafe smart switches support Access Control Lists (ACLs), as well as user authentication (Radius IEEE 802.1x), to provide appropriate, secure access for all types of users.

Transfer of Voice and Video
The ability to manage traffic on Layer 3 and 4-based Quality of Service (QoS) and Auto Voice VLANs ensures that time-sensitive data can transferred at the appropriate quality.

Availability and Redundancy
Rapid Spanning Tree and Link Aggregation are key requirements of rapidly expanding networks, particularly when non-stop operation is essential. When changes are made to the network, the availability of automatic alternative paths is critical to ensure seamless Internet and LAN access.

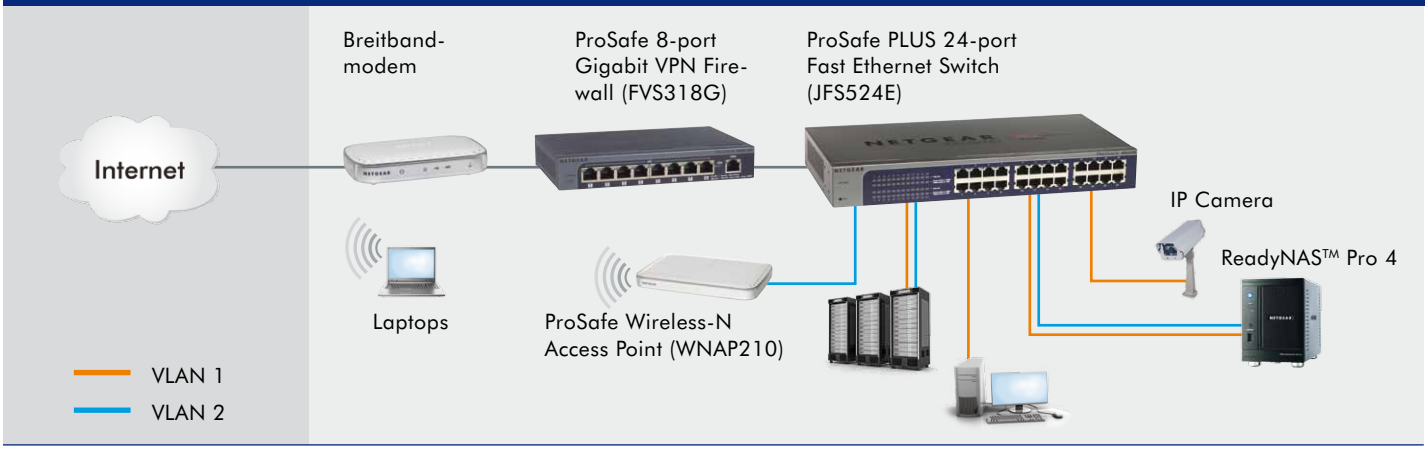
		SMART MANAGED, L2, FAST ETHERNET			
MODEL		FS726T	FS726TP	FS728TP GREEN	FS750T2
Port Configuration	10/100 Ports (Auto Uplink)	24	24	24	48
	10/100/1000 Ports (Auto Uplink)	2	2	4	2
	Fiber Ports	1 SFP	2 SFP	2 SFP	2 SFP
	10Gig Module Bays				
PoE	Power Over Ethernert 802.3af Ports		12	24	
	PoE Plus (30W) 802.3at Ports				
	Total PoE Budget		100 Watts	195 Watts	
Stacking	Number of Dedicated Stacking Ports				
	Stacking bandwidth				
	Stacking (maximum capacity)				
	Stacking Compatibility				
Scalability	# MAC Addresses	4,000	4,000	4,000	8,000
	ARP Table - size of				
	# Routing Entries				
	# ACL Rules			128	
System Management	Single IP Management				
	Web Managed/GUI	•	•	•	•
	Command Line Interface/RS232 Console/ Telnet				
	SNMP Version	v1	v1	v1, v2c, v3	v1, v2c
	RMON Group			1,2,3,9	
	DHCP (Client/Server)	Client	Client	Client	Client
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set				
Quality of Service	Number of Priority Queues	2	2	4	4
	Traffic Prioritization	802.1p	802.1p	802.1p Diffserve	802.1p
	Auto Voice VLAN			•	
Multicast	IGMP Snooping version	v1	v1	v1, v2, v3	
	IGMP Snooping querier			•	
Performance	Bandwidth	8.8 Gbps	8.8 Gbps	12.8 Gbps	13.6 Gbps
	Buffer Memory	2 MB Per System	2 MB Per System	1 MB Per System	2 MB Per System
	Jumbo Frames				
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	80.2.1d	80.2.1d	802.1d, .1w, .1s	80.2.1d
	RPS Redundant Power Supply				
	Modular Power Supply				
Traffic Management	Number of 802.1q Vlan/Number of Vlan Group	64	64	128	64
	Link Agregation 802.3ad/LACP	•	•	•	•
	Discovery Protocol LLDP 802.1ab			•	
	Rate Limiting	•	•	•	
	Broadcast Storm Control	•	•	•	
Routing	Static Routing				
	RIP I, RIP II, OSPF, VRRP, EMCP				
	IPv6, Multicast routing				
Security	IEEE 802.1x (RADIUS)			•	
	ACL - Access Control Lists			MAC, IP	
	SSL/SSH & HTTPS			•	
	Guest VLAN			•	
	DHCP Snooping/IP Source Guard/ARP Guard			•	
	TACACS+			•	
Energy Efficiency	Energy Star			•	
	Auto Port Power Down			•	
	Dynamic Power Consumption				
	Power Consumption	13 Watts	122 Watts	256 Watts	19.65 Watts
Physical	Desktop/Rackmount	R	R	R	R
	Metal/Plastic Enclosure	M	M	M	M
	MTBF	305,000 Hours	327,000 Hours	237,497 Hours	59,880 Hours
	Acoustic Noise	0 dBA	42.9 dBA	38.1 dBA	0 dBA
	Fan		•	•	
	Width x Depth x Height	440 x 205 x 43 mm (17.3 x 8.1 x 1.7 in.)	440 x 205 x 43 mm (17.3 x 8.1 x 1.7 in.)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 205 x 43 mm (17.3 x 8.1 x 1.7 in)
	Weight	2.5 kg (5.5 lb)	3.0 kg (6.6 lb)	3.6 kg (7.92 lb)	3.2 kg (7.0 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime	Lifetime
Modules		AGM731F/732F	AGM731F/732F	AGM731F/732F	AGM731F/732F
Prosupport Maintenance PKGS	On Call 24x7/XPRESSHW	PMB0331/PRR0331	PMB0331/PRR0331	PMB0331/PRR0331	PMB0331/PRR0331

	SMART MANAGED, L2, GIGABIT				
FS752TP GREEN NEW	GS108T GREEN	GS110T GREEN NEW	GS110TP GREEN	GS510TP GREEN NEW	GS716T GREEN
48					
4	8	8	8	8	16
4 SFP		2			2 SFP
48			8	8	
48					
384 Watts			46 Watts	130 Watts	
8,000	8,000	4,000	8,000	4,000	8,000
128		128		128	
•					
•	•	•	•	•	•
v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9
Client	Client	Client	Client	Client	Client
Many-to-One	Many-to-One	Many-to-One	Many-to-One	Many-to-One	Many-to-One
•					
4	4	4	4	4	4
802.1p	802.1p	802.1p	802.1p	802.1p	802.1p
		•		•	•
v1, v2, v3	v1, v2	v1, v2, v3	v1, v2		v1, v2
					•
17.6 Gbps	16 Gbps	20 Gbps	16 Gbps	20 Gbps	32 Gbps
6 MB Per System	512 KB per unit	512 KB per unit	512 KB per unit	512 KB per unit	512 KB per unit
•	•	•	•	•	•
802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
256	64	64	64	64	128
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
TBD					
TBD					
•	•	•	•	•	•
MAC	Trusted MAC	MAC, IP	Trusted MAC	MAC, IP	MAC, IP
•		HTTPS		HTTPS	HTTPS
•	•	•	•	•	•
•					
•		•		•	•
•	•	•	•	•	•
•	•	•	•	•	•
500 Watts	12.78 Watts if powered by PoE via port 1 8.3 Watts (AC) 6 Watt (DC)	8.5 Watts	60 Watts	147 Watts	16.5 Watts
R	D	D	D	D	R
M	M	M	M	M	M
	275,533 hrs	472,147 hrs	157,004 hrs	458,124 hrs	401,205 hours
	0 dBA	0 dBA	0 dBA	<38dBA	33
				•	•
440 x 205 x 43 mm (17.3 x 8.1 x 1.7 in)	158 x 105 x 27 mm (6.22 x 4.13 x 1.06 in)	236 x 101 x 27mm (9.29 x 3.97 x 1.06 in)	236 x 101.6 x 27 mm (9.3 x 4 x 1.06 in)	328 x 169 x 43 mm (9.3 x 4 x 1.06 in)	43 x 440 x 205 mm (1.7 x 17.3 x 8 in)
2.98 kg (6.57 lb)	0.56 kg (1.23 lb)	0.69 kg (1.52lb)	0.7Kg (1.54 lb)	1.68Kg (3.7 lb)	2.6 kg (5.6 lb)
A	A	B	B	B	A
Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
AGM731F/732F		AGM731F/732F	AGM731F/732F	AGM731F/732F	AGM731F/732F
PMB0331/PRR0331	PMB0331/PRR0331	PMB0331/PRR0331	PMB0331/PRR0331	PMB0331/PRR0331	PMB0331/PRR0331

		SMART MANAGED, L2, GIGABIT			
MODEL		GS724T GREEN	GS748T GREEN	GS724TP	GS748TP
Port Configuration	10/100 Ports (Auto Uplink)				
	10/100/1000 Ports (Auto Uplink)	24	48	24	48
	Fiber Ports	2 SFP	4 SFP	2 SFP	4 SFP
	10Gig Module Bays				
PoE	Power Over Ethernet 802.3af Ports			24	48
	PoE Plus (30W) 802.3at Ports				
	Total PoE Budget			192 Watts	384 Watts
Stacking	Number of Dedicated Stacking Ports				
	Stacking bandwidth				
	Stacking (maximum capacity)				
	Stacking Compatibility				
Scalability	# MAC Addresses	8,000	8,000	8,000	8,000
	ARP Table - size of				
	# Routing Entries				
	# ACL Rules		256	256	256
System Management	Single IP Management				
	Web Managed/GUI	•	•	•	•
	Command Line Interface/RS232 Console/Telnet				
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9		1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client	Client	Client	Client
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set				
Quality of Service	Number of Priority Queues	4	8	4	4
	Traffic Prioritization	802.1p	802.1p	802.1p	802.1p
	Auto Voice VLAN	•	•	•	•
Multicast	IGMP Snooping version	v1, v2	v1, v2	v1, v2	v1, v2
	IGMP Snooping querier	•			
Performance	Bandwidth	48 Gbps	96 Gbps	48 Gbps	96 Gbps
	Buffer Memory	512 KB per unit	4 MB Per System	3 MB Per System	6 MB Per System
	Jumbo Frames	•	•	•	•
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	80.2.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply				
	Modular Power Supply				
Traffic Management	Number of 802.1q Vlan/Number of Vlan Group	128	256	128	128
	Link Agregation 802.3ad/LACP	•	•	•	•
	Discovery Protocol LLDP 802.1ab	•	•	•	•
	Rate Limiting	•	•	•	•
	Broadcast Storm Control	•	•	•	•
Routing	Static Routing				
	RIP I, RIP II, OSPF, VRRP, EMCP				
	IPv6, Multicast routing				
Security	IEEE 802.1x (RADIUS)	•		•	•
	ACL - Access Control Lists	MAC, IP	MAC, IP	MAC, IP	MAC, IP
	SSL/SSH & HTTPS	HTTPS	HTTPS		
	Guest VLAN	•		•	•
	DHCP Snooping/IP Source Guard/ARP Guard				
	TACACS+	•		•	•
Energy Efficiency	Energy Star				
	Auto Port Power Down	•			
	Dynamic Power Consumption	•			
	Power Consumption	21.5 Watts	64 Watts	260 Watts	570 Watts
Physical	Desktop/Rackmount	R	D	R	R
	Metal/Plastic Enclosure	M	M	M	M
	MTBF	465,998 hours	108,000 Hours	165,589 Hours	147,559 Hours
	Acoustic Noise	0dBA	46 dBA	46.5 dBA	44.8 dBA
	Fan		•	•	•
	Width x Depth x Height	43 x 440 x 205 mm (1.7 x 17.3 x 8 in)	440 x 305 x 43mm (17.3 x 12.0 x 1.7in)	40 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 387 x 43 mm (17.3 x 15.2 x 1.7 in)
	Weight	2.7 kg (5.9 lb)	4.9 kg/10.8 lb	3.7 kg (8.1 lb)	6.6 kg (14.5 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime	Lifetime
Modules		AGM731F/732F	AGM731F/732F	AGM731F/732F	AGM731F/732F
Prosupport Maintenance PKGS	On Call 24x7/XPRESSHW	PMB0331/PRR0331	PMB0331/PRR0331	PMB0332/PRR0332	PMB0332/PRR0332

SMART MANAGED, L2, GIGABIT					
GS728TSB GREEN NEW	GS752TSB GREEN NEW	GS728TPSB GREEN NEW	GS752TPSB GREEN NEW	GS724TS	GS748TS
24	48	24	48	24	48
6 SFP	6 SFP	6 SFP	6 SFP	4 SFP	4 SFP
		24	48		
		8	8		
		192 Watts	384 Watts		
2 SFP	2 SFP	2 SFP	2 SFP	2 HDMI	2 HDMI
20 Gbps	20 Gbps	20 Gbps	20 Gbps	20 Gbps	20 Gbps
6 units or 300 ports	6 units or 300 ports	6 units or 300 ports	6 units or 300 ports	6 units or 288 ports	6 units or 288 ports
GS7XXTSB/GSXXTPSB	GS7XXTSB/GSXXTPSB	GS7XXTSB/GSXXTPSB	GS7XXTSB/GSXXTPSB	GS7XXTS/GSXXTPS	GS7XXTS/GSXXTPS
16,000	16,000	16,000	16,000	8,000	8,000
1024	1024	1024	1024		
32	32	32	32		
100	100	100	100	128	128
•	•	•	•	•	•
•	•	•	•	•	•
v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9	1,2,3,9
Client/Server	Client/Server	Client/Server	Client/Server	Client	Client
Many-to-One	Many-to-One	Many-to-One	Many-to-One	Many-to-One	Many-to-One
•	•	•	•		
8	8	8	8	4	4
802.1p ; Diffserv ; TCP/ UDP	802.1p ; Diffserv ; TCP/ UDP	802.1p ; Diffserv ; TCP/ UDP	802.1p ; Diffserv ; TCP/ UDP	802.1p	802.1p
•	•	•	•	•	•
v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2, v3	v1, v2	v1, v2
•	•	•	•		
56 Gbps	104 Gbps	56 Gbps	104 Gbps	48 Gbps	96 Gbps
2 MB	2 MB	2 MB	2 MB	2 MB Per System	6 MB Per System
•	•	•	•	•	•
802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
256	256	256	256	128	128
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•	•	•
•	•	•	•		
•	•	•	•		
•	•	•	•	•	•
MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	MAC, IP, TCP	MAC, IP	MAC, IP
SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS	SSL/SSH & HTTPS		
•	•	•	•	•	•
•	•	•	•		
•	•	•	•	•	•
•	•	•	•		
•	•	•	•		
29.7 Watts	77 Watts	236 Watts	526.8 Watts	35.1 Watts	78.36 Watts
R	R	R	R	R	R
M	M	M	M	M	M
595,422 Hours	303,219 Hours	530,911 Hours	206,539 Hours	167,300 Hours	125,500 Hours
	52.7 dBA	46 dBA	43 dBA		52.7 dBA
•	•	•	•	•	•
440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 257 x 43 mm (17.3 x 10.1 x 1.7 in)	440 x 205 x 43 mm (17.3 x 8.1 x 1.7 in)	440 x 300 x 43 mm (17.3 x 11.8 x 1.7 in)
3.34 kg (7.36 lb)	4.31 kg (9.5 lb)	3.88 kg (8.55 lb)	5.48 kg (12.08 lb)	2.87 kg (6.33 lb)	5.16 kg (11.38 lb)
A	A	A	A	A	A
Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
AGM731F/732F/AGC761	AGM731F/732F/AGC761	AGM731F/732F/AGC761	AGM731F/732F/AGC761	AGM731F/732F	AGM731F/732F
PMB0331/PRR0331	PMB0331/PRR0331	PMB0332/PRR0332	PMB0332/PRR0332	PMB0331/PRR0331	PMB0331/PRR0331

		SMART MANAGED, L2, GIGABIT		SMART MANAGED, L2, 10 GIGABIT
MODEL		GS724TPS	GS748TPS	GS752TXS
Port Configuration	10/100 Ports (Auto Uplink)			
	10/100/1000 Ports (Auto Uplink)	24	48	48
	Fiber Ports	4 SFP	4 SFP	4 SFP+ (10Gig)
	10Gig Module Bays			
PoE	Power Over Ethernert 802.3af Ports	24	48	
	PoE Plus (30W) 802.3at Ports	4	4	
	Total PoE Budget	192 Watts	384 Watts	
Stacking	Number of Dedicated Stacking Ports	2 HDMI	2 HDMI	2
	Stacking bandwidth	20 Gbps	20 Gbps	40 Gbps
	Stacking (maximum capacity)	6 units or 288 ports	6 units or 288 ports	6 units or 300 ports
	Stacking Compatibility	GS7XXTS/GSXXTPS	GS7XXTS/GSXXTPS	GS752TXS
Scalability	# MAC Addresses	8,000	8,000	16,000
	ARP Table - size of			1,024
	# Routing Entries			15
	# ACL Rules	128	128	100
System Management	Single IP Management	•	•	•
	Web Managed/GUI	•	•	•
	Command Line Interface/RS232 Console/Telnet			•
	SNMP Version	v1, v2c, v3	v1, v2c, v3	v1, v2c, v3
	RMON Group	1,2,3,9	1,2,3,9	1,2,3,9
	DHCP (Client/Server)	Client	Client	Client/Server
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set			•
Quality of Service	Number of Priority Queues	4	4	8
	Traffic Prioritization	802.1p	802.1p ; Diffserv ; TCP/UDP	802.1p ; Diffserv ; TCP/UDP
	Auto Voice VLAN	•	•	•
Multicast	IGMP Snooping version	v1, v2	v1, v2	v1, v2, v3
	IGMP Snooping querier			•
Performance	Bandwidth	48 Gbps	96 Gbps	176 Gbps
	Buffer Memory	2 MB Per System	6 MB Per System	2 MB
	Jumbo Frames	•	•	•
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s	802.1d, .1w, .1s	802.1d, .1w, .1s	802.1d, .1w, .1s
	RPS Redundant Power Supply			
	Modular Power Supply			
Traffic Management	Number of 802.1q Vlan/Number of Vlan Group	128	128	256
	Link Agregation 802.3ad/LACP	•	•	•
	Discovery Protocol LLDP 802.1ab	•	•	•
	Rate Limiting	•	•	•
	Broadcast Storm Control	•	•	•
Routing	Static Routing			•
	RIP I, RIP II, OSPF, VRRP, EMCP			
	IPv6, Multicast routing			•
Security	IEEE 802.1x (RADIUS)	•	•	•
	ACL - Access Control Lists	MAC, IP	MAC, IP	MAC, IP, TCP
	SSL/SSH & HTTPS			SSL/SSH & HTTPS
	Guest VLAN	•	•	•
	DHCP Snooping/IP Source Guard/ARP Guard			•
	TACACS+	•	•	•
Energy Efficiency	Energy Star			
	Auto Port Power Down			•
	Dynamic Power Consumption			•
	Power Consumption	235 Watts	530 Watts	77 Watts
Physical	Desktop/Rackmount	R	R	R
	Metal/Plastic Enclosure	M	M	M
	MTBF	116,000 Hours	143,890 Hours	90,993 Hours
	Acoustic Noise	46 dBA	43 dBA	
	Fan	•	•	•
	Width x Depth x Height	440 x 310 x 43 mm (17.3 x 12.2 x 1.7 in)	440 x 431 x 43 mm (17.3 x 17.0 x 1.7 in)	440 x 257 x 43 mm (17.32 x 10.13 x 1.7 in)
	Weight	4.92 kg (10.82 lb)	7.28 kg (16.02 lb)	4.5 kg (10 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	Lifetime	Lifetime
Modules		AGM731F/732F	AGM731F/732F	AGM731F/AGM732F; AX742; AX743; AX744; AXM761/AXM762/AXM763
Prosupport Maintenance PKGS	On Call 24x7/XPRESSHW	PMB0332/PRR0332	PMB0332/PRR0332	PMB0334/PRR0334



Features	FS116	JFS524	FS116E	JFS254E
10/100 Mbit/s Ports	16	24	16	24
Auto Uplink	•	•	•	•
VLAN Support			•	•
Data Prioritization (QoS)			•	•
Broadband Control			•	•
Cable-Test			•	•
Green Ethernet			•	•
Rackmount		•		•
Warranty	Lifetime	Lifetime	Lifetime	Lifetime

Unmanaged & PLUS Switches

Examples:

J FS 5 24 P
J = Rackmount // Description without "J" = Desktop Switch
FS = Fast Ethernet Switch
24 = Absolute Number of Ports (Last Two Digits)
P = Power over Ethernet

GS 108 P E
GS = Gigabit Ethernet Switch
E = PLUS Switch

Growing companies are running more network applications than ever before, which has dramatically increased their requirements for network reliability. For example, VoIP telephones and IP cameras require more than a simple plug-and-play connection. Similarly, cloud applications such as SalesForce and Google Calendar have become indispensable to companies, and therefore require a well-functioning network. However, despite these increasing needs, the additional budget and training time required to procure and administer complex Managed Switches is rarely available.

NETGEAR ProSafe PLUS Switches solve this challenge. The ProSafe PLUS line is simple to use and does not require advanced administration skills to configure and manage. Traffic Monitoring provides an overview of the performance of the company's network and helps resolve any network connection problems. A cable diagnostics test identifies and localizes weak spots that cause the problems. ProSafe PLUS Switches also optimize data traffic within the network by enabling port- and day-based prioritization. Important data transfers are assigned priority over less crucial packets of data. VLAN technology increases security and avoids domain collisions. ProSafe PLUS Switches are an excellent value, incorporate energy-saving green network technology, and operate silently.

Functions
- Quality of Service (QoS) for the Prioritization of Business-Critical Data and Applications
- Virtual LAN (VLAN) Support for Network Segmentation and Security
- IGMP Snooping v2, v3 (for Triple Play Services)
- Troubleshooting for Connection Problems via Cable Test
- Bandwidth Management to Prevent Data Bottlenecks
- Network Traffic Monitoring
- Port Mirroring
- Broadcast Storm Control

NETGEAR Green
- Up to 60% Energy Savings
- IGMP Snooping
- Ports are Automatically Deactivated if no Device is Connected to the Affected Port
- Lower Transmission Energy if the Cable is Short (less than 10 m)
- Packaging is made out of at least 80% Recycled Material

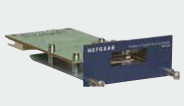
The NETGEAR Difference
- Configurability via Simple Setup
- Possible to Prioritize Video and VoIP
- Network Traffic Monitoring
- Ideal for Network Groups

		UNMANAGED, L2, 10/100 FAST ETHERNET				
MODEL		FS105	FS108	FS108P	FS116	FS116P
Port Configuration	10/100 Ports (Auto Uplink)	5	8	8	16	16
	10/100/1000 Ports (Auto Uplink)					
	Fiber Ports					
	10Gig Module Bays					
PoE	Power Over Ethernet 802.3af Ports			4		8
	PoE Plus (30W) 802.3at Ports					
	Total PoE Budget			32 Watts		55 Watts
Stacking	Number of Dedicated Stacking Ports					
	Stacking bandwidth					
	Stacking (maximum capacity)					
	Stacking Compatibility					
Scalability	# MAC Addresses	1,000	1,000	1,000	4,000	8,000
	ARP Table - size of					
	# Routing Entries					
	# ACL Rules					
System Management	Single IP Management					
	Web Managed/GUI					
	Command Line Interface/RS232 Console/Telnet					
	SNMP Version					
	RMON Group					
	DHCP (Client/Server)					
	Port Mirroring					
	IPv6 full set					
Quality of Service	Number of Priority Queues					
	Traffic Prioritization			honors 802.1p priority tags		honors 802.1p priority tags
	Auto Voice VLAN					
Multicast	IGMP Snooping version					
	IGMP Snooping querier					
Performance	Bandwidth	1 Gbps	1.6 Gbps	1.6 Gbps	3.2 Gbps	3.2 Gbps
	Buffer Memory	64 KB Per System	96 kB Per System	96 KB Per System	512 KB Per System	160KB Per System
	Jumbo Frames					
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s					
	RPS Redundant Power Supply					
	Modular Power Supply					
Traffic Management	Number of 802.1q Vlan/Number of Vlan Group					
	Link Agregation 802.3ad/LACP					
	Discovery Protocol LLDP 802.1ab					
	Rate Limiting					
	Broadcast Storm Control					
Routing	Static Routing					
	RIP I, RIP II, OSPF, VRRP, EMCP					
	IPv6, Multicast routing					
Security	IEEE 802.1x (RADIUS)					
	ACL - Access Control Lists					
	SSL/SSH & HTTPS					
	Guest VLAN					
	DHCP Snooping/IP Source Guard/ARP Guard					
	TACACS+					
Energy Efficiency	Energy Star					•
	Auto Port Power Down					
	Dynamic Power Consumption					
	Power Consumption	7.5 Watts	7.5 Watts	44 Watts	12 Watts	72 Watts
Physical	Desktop/Rackmount	D	D	D	D	D
	Metal/Plastic Enclosure	M	M	M	M	M
	MTBF	393,000 Hours	168,000 Hours	190,000 Hours	353,000 Hours	116,000 Hours
	Acoustic Noise					
	Fan					
	Width x Depth x Height	94 x 103 x 27 mm (3.7 x 4.1 x 1.1 in.)	158 x 103 x 27 mm (6.2 x 4.1 x 1.1 in.)	235 x 103 x 7mm (9.3 x 4.1 x 1.1 in.)	287 x 103 x 27 mm (11.3 x 4.1 x 1.1 in.)	287 x 103 x 27 mm (11.3 x 4.1 x 1.1 in.)
	Weight	0.28 kg (0.62 lb)	0.49 kg (1.1 lb)	0.74 kg (1.7 lb)	0.9 kg (2.0 lb)	0.9 kg (2.0 lb)
Electromagnetic Compliance	Class (A or B)	A	A	B	A	A
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		2 Year	2 Year	2 Year	2 Year	2 Year
Modules						
Prosupport Maintenance PKGS	On Call 24 x 7/XPRESSHW	PMB0331/PRR0331	PMB0331/PRR0331	PMB0331/PRR0331	PMB0331/PRR0331	PMB0331/PRR0331

UNMANAGED, L2, 10/100 FAST ETHERNET		UNMANAGED, L2, GIGABIT					
JFS516	JFS524	GS105 GREEN	GS108 GREEN	GS108P GREEN	GS116 GREEN	JGS516 GREEN	JGS524 GREEN
16	24						
		5	8	8	16	16	24
				4			
				50W			
4,000	4,000	4,000	4,000	4,000	8,000	8,000	8,000

		UNMANAGED, L2, GIGABIT	PROSAFE PLUS, L2, FAST ETHERNET		PROSAFE PLUS, L2, GIGABIT
MODEL		JGS524F GREEN	FS116E GREEN	JFS524E GREEN	GS105E GREEN
Port Configuration	10/100 Ports (Auto Uplink)		16	24	
	10/100/1000 Ports (Auto Uplink)	24			5
	Fiber Ports	2 SFP			
	10Gig Module Bays				
PoE	Power Over Ethernert 802.3af Ports				
	PoE Plus (30W) 802.3at Ports				
	Total PoE Budget				
Stacking	Number of Dedicated Stacking Ports				
	Stacking bandwidth				
	Stacking (maximum capacity)				
	Stacking Compatibility				
Scalability	# MAC Addresses	8,000	8,000		
	ARP Table - size of				
	# Routing Entries				
	# ACL Rules				
System Management	Single IP Management				
	Web Managed/GUI		PC Tool	PC Tool	PC Tool
	Command Line Interface/RS232 Console/Telnet				
	SNMP Version				
	RMON Group				
	DHCP (Client/Server)				
	Port Mirroring		Many-to-One	Many-to-One	Many-to-One
	IPv6 full set				
Quality of Service	Number of Priority Queues		2	2	4
	Traffic Prioritization		802.1p	802.1p	802.1p
	Auto Voice VLAN				
Multicast	IGMP Snooping version				
	IGMP Snooping querier				
Performance	Bandwidth	48 Gbps	3.2 Gbps	4.8 Gbps	10 Gbps
	Buffer Memory	2 MB Per System			128 KB Per System
	Jumbo Frames	•			•
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s				
	RPS Redundant Power Supply				
	Modular Power Supply				
Traffic Management	Number of 802.1q Vlan/Number of Vlan Group		16	24	5
	Link Agregation 802.3ad/LACP				•
	Discovery Protocol LLDP 802.1ab				
	Rate Limiting		•	•	•
	Broadcast Storm Control		•	•	•
Routing	Static Routing				
	RIP I, RIP II, OSPF, VRRP, EMCP				
	IPv6, Multicast routing				
Security	IEEE 802.1x (RADIUS)				
	ACL - Access Control Lists				
	SSL/SSH & HTTPS				
	Guest VLAN				
	DHCP Snooping/IP Source Guard/ARP Guard				
	TACACS+				
Energy Efficiency	Energy Star		•		•
	Auto Port Power Down		•	•	•
	Dynamic Power Consumption		•	•	•
	Power Consumption	20 Watts	5.46 Watts	5.9 Watts	4 Watts
Physical	Desktop/Rackmount	R	D	R	D
	Metal/Plastic Enclosure	M	M	M	M
	MTBF	262,000 Hours	4,046,880 Hours	1,952,478 Hours	5,905,968 Hours
	Acoustic Noise	40 dB	0 dBA	0 dBA	0 dBA
	Fan	•			
	Width x Depth x Height	330 x 169 x 43mm (13 x 6.7 x 1.7 in.)	287 x 103 x 27 mm (11.3 x 4.1 x 1.1 in)	330 x 173 x 43 mm (13 x 6.8 x 1.7 in)	94 x 104 x 28 mm (3.7 x 4.1 x 1.1 in)
	Weight	1.72 kg (3.79 lb)	0.81 kg (1.79 lb)	1.43 kg (3.15 lb)	0.3 kg (0.66 lb)
Electromagnetic Compliance	Class (A or B)	A	A	A	B
Warranty Hardware		Lifetime	Lifetime	Lifetime	Lifetime
Warranty Power Supply		Lifetime	2 Year	Lifetime	2 Year
Modules		AGM731F/732F			
Prosupport Maintenance PKGS	On Call 24 x 7/XPRESSHW	PMB0331/PRR0331	PMB0331/PRR0331	PMB0331/PRR0331	PMB0331/PRR0331

MODEL		PROSAFE PLUS, L2, GIGABIT			
		GS108Ev2 GREEN	GS116E GREEN	GS108PEv2 GREEN	JGS524E GREEN
Port Configuration	10/100 Ports (Auto Uplink)				
	10/100/1000 Ports (Auto Uplink)	8	16	8	24
	Fiber Ports				
	10Gig Module Bays				
PoE	Power Over Ethernert 802.3af Ports			4	
	PoE Plus (30W) 802.3at Ports				
	Total PoE Budget			50 Watts	
Stacking	Number of Dedicated Stacking Ports				
	Stacking bandwidth				
	Stacking (maximum capacity)				
	Stacking Compatibility				
Scalability	# MAC Addresses	4,000	8000	4,000	8,000
	ARP Table - size of				
	# Routing Entries				
	# ACL Rules				
System Management	Single IP Management				
	Web Managed/GUI	PC Tool	PC Tool	PC Tool	PC Tool
	Command Line Interface/RS232 Console/Telnet				
	SNMP Version				
	RMON Group				
	DHCP (Client/Server)				
	Port Mirroring	Many-to-One	Many-to-One	Many-to-One	Many-to-One
	IPv6 full set				
Quality of Service	Number of Priority Queues	4	4	4	4
	Traffic Prioritization	802.1p	802.1p	802.1p	802.1p
	Auto Voice VLAN				
Multicast	IGMP Snooping version				
	IGMP Snooping querier				
Performance	Bandwidth	16 Gbps	32 Gbps	16 Gbps	48 Gbps
	Buffer Memory	192 KB Per System	512 KB Per System	192 KB Per System	2 MB Per System
	Jumbo Frames	•	•	•	•
Availability	Spanning Tree 802.1d/RSTP .1w/MSTP .1s				
	RPS Redundant Power Supply				
	Modular Power Supply				
Traffic Management	Number of 802.1q Vlan/Number of Vlan Group	8	16	8	24
	Link Agregation 802.3ad/LACP	•	•	•	•
	Discovery Protocol LLDP 802.1ab				
	Rate Limiting	•	•	•	•
	Broadcast Storm Control	•	•	•	•
Routing	Static Routing				
	RIP I, RIP II, OSPF, VRRP, EMCP				
	IPv6, Multicast routing				
Security	IEEE 802.1x (RADIUS)				
	ACL - Access Control Lists				
	SSL/SSH & HTTPS				
	Guest VLAN				
	DHCP Snooping/IP Source Guard/ARP Guard				
	TACACS+				
Energy Efficiency	Energy Star				
	Auto Port Power Down	•	•	•	•
	Dynamic Power Consumption	4.5 Watts	11 Watts	12.2 Watts (with PoE load)	16 Watts
	Power Consumption				
Physical	Desktop/Rackmount				
	Metal/Plastic Enclosure				
	MTBF	5,701,574 Hours	2,806,154 Hours	3,649,507 Hours	1,262,700 Hours
	Acoustic Noise	0	0	0	0
	Fan	0	0	0	0
	Width x Depth x Height	158 x 105 x 27 (6.2 x 4.0 x 1.1 in.)	287 x 103 x 27 mm (11.3 x 4.1 x 1.1 in)	235 x 103 x 27 mm (9.25 x 4.06 x 1.06 in)	330 x 173 x 43 mm (13 x 6.8 x 1.7 in)
	Weight	0.55 kg (1.2 lbs)	0.81 kg (1.79 lb)	0.726 kg (1.6 lbs)	1.43 kg (3.15 lb)
Electromagnetic Compliance	Class (A or B)	B	A	A	A
Warranty Hardware					
Warranty Power Supply					
Modules					
Prosupport Maintenance PKGS	On Call 24 x 7/XPRESSHW				

	10 GIGABIT COPPER AND FIBER MODULES LAYER 2 AND LAYER 3 MANAGED GSM72XXPS/GSM73XXS					
						
MODEL	AX742	AX743	AX744	AXM761	AXM762	AXM763
Product Description	ProSafe 24 Gigabit Stacking Kit (two modules and a stacking cable)	ProSafe 10 Gigabit Ethernet SFP+ Adapter	ProSafe 10 Gigabit Ethernet CX4 Module	ProSafe 10GBASE-SR "Short Reach" SFP+ Module	ProSafe 10GBASE-LR "Long Reach" SFP+ Module	ProSafe 10GBASE-LRM "Long Reach Multimode" SFP+ Module
Distance	N/A	N/A	Up to 15m	Up to 300m	Up to 10km	Up to 220m
Cabling Type	High-speed Stacking Cable			10GBASE-SR "Short Reach"	10GBASE-LR "Long Reach"	10GBASE-LRM Long Reach Multimode
Connector	One Stacking Interface slot	One SFP+ Interface slot	One CX4 connection	One LC Fiber connection	One LC Fiber connection	One LC Fiber connection
Interface (Bus) Type	24 Gigabit High-speed Stacking	10 Gigabit Small Form Factor Pluggable (SFP+)	10 Gigabit Infiniband (CX4)	10 Gigabit Small Form Factor Pluggable (SFP+)	10 Gigabit Small Form Factor Pluggable (SFP+)	10 Gigabit Small Form Factor Pluggable (SFP+)
Form Factor	Plug-in module	Plug-in module	Plug-in module	Plug-in SFP+	Plug-in SFP+	Plug-in SFP+
Data Transfer Rate	12 Gbps Full-duplex (24 Gbps)	10 Gbps	10 Gbps	10 Gbps	10 Gbps	10 Gbps
Hot-Swappable	•	•	•	•	•	•
Fiber Cable Support	NA	NA	NA	50µm OM3 multimode fiber cables (300m) or legacy 62.5µm OM1 multimode (33m)	Supports 9µm single mode Fiber cabling	Supports legacy 62.5 µm OM1 multimode Fiber cabling (220m)
Switch Compatibility	GSM72xxPS GSM73xxS XSM7224S	GSM72xxPS GSM73xxS XSM7224S	GSM72xxPS GSM73xxS XSM7224S	GS752TXS GSM72xxPS GSM73xxS XSM7224S	GS752TXS GSM72xxPS GSM73xxS XSM7224S	GS752TXS GSM72xxPS GSM73xxS XSM7224S
Warranty	5 Year	5 Year	5 Year	5 Year	5 Year	5 Year

	10 GIGABIT COPPER AND FIBER MODULES LAYER 2 AND LAYER 3 MANAGED GSM72XXPS/GSM73XXS				
MODEL	AXC761	AXC763	AXC753	AXM751	AXM752
Product Description	ProSafe 1m Direct Attach SFP+ Cable	ProSafe 3m Direct Attach SFP+ Cable	ProSafe 3m Direct Attach SFP+ to XFP Cable	ProSafe 10GBASE-SR "Short Reach" XFP Module	ProSafe 10GBASE-LR "Long Reach" XFP Module
Distance	1m	3m	3m	Up to 300m	Up to 10km
Cabling Type	Direct Attach 10GSFP+Cu	Direct Attach 10GSFP+Cu	Direct Attach 10GSFP+Cu	10GBASE-SR "Short Reach"	10GBASE-LR "Long Reach"
Connector	SFP+ connectors	SFP+ connectors	SFP+ to XFP	One LC Fiber connection	One LC Fiber connection
Interface (Bus) Type	10 Gigabit Small Form Factor Pluggable (SFP+)	10 Gigabit Small Form Factor Pluggable (SFP+)	10 Gigabit Small Form Factor Pluggable (SFP+)	10 Gigabit Small Form Factor Pluggable (XFP)	10 Gigabit Small Form Factor Pluggable (XFP)
Form Factor	SFP+ Cable	SFP+ Cable	SFP+/XFP Cable	Plug-in XFP	Plug-in XFP
Data Transfer Rate	10 Gbps	10 Gbps	10 Gbps	10 Gbps	10 Gbps
Hot-Swappable	•	•	•	•	•
Fiber Cable Support	NA	NA	NA	50µm OM3 multimode fiber cables (300m)	Supports 9µm single mode Fiber cabling
Switch Compatibility	GS752TXS GSM72xxPS GSM73xxS XSM7224S XCM8800	GS752TXS GSM72xxPS GSM73xxS XSM7224S XCM8800	GS752TXS GSM72xxPS GSM73xxS XSM7224S XCM8800	XCM8800	XCM8800
Warranty	5 Year	5 Year	5 Year	5 Year	5 Year

	GIGABIT FIBER MODULES UNMANAGED/SMART/L2 AND L3 MANAGED			
MODEL	AGM731F	AGM732F	AGM734	AFM735
Product Description	ProSafe Fiber 1000BASE-SX SFP Module	ProSafe Fiber 1000BASE-LX SFP SFP Module	ProSafe RJ45 1000BASE-T SFP Module	ProSafe Fiber 100BASE-FX SFP Module
Distance	Up to 550m	Up to 10km	Up to 100m	Up to 2km
Cabling Type	IEEE 802.3z 1000BASE-SX	IEEE 802.3z 1000BASE-LX	1000BASE-T	IEEE 802.3-2002 100BASE-FX
Connector	One LC Fiber connection	One LC Fiber connection	RJ45	One LC Fiber connection
Interface (Bus) Type	Small Form Factor Pluggable (SFP)	Small Form Factor Pluggable (SFP)	Small Form Factor Pluggable (SFP)	Small Form Factor Pluggable (SFP)
Form Factor	Plug-in module	Plug-in module	Plug-in module	Plug-in module
Data Transfer Rate	1 Gbps	1 Gbps	1 Gbps	100 Mbps
Hot-Swappable	•	•	•	•
Fiber Cable Support	Supports both 62.5 μm OM1 and 50 μm OM3 multimode Fiber cabling	Supports 9 μm single mode Fiber cabling	Copper CAT5E or better	Supports both 62.5 μm OM1 and 50 μm OM3 multimode Fiber cabling
Switch Compatibility	All Smart & Managed Switches, plus JGS524F	All Smart & Managed Switches, plus JGS524F	GSM7328FS, XSM7224S, XCM8800	Managed Switches and XCM8800
Warranty	5 Year	5 Year	5 Year	5 Year

	MODULAR POWER SUPPLY LAYER 2 AND LAYER 3 MANAGED SWITCHES					
MODEL	APS525W	APS135W	RPS5412	AFT200	APS300W	XCM88PS1
Product Description	ProSafe Auxiliary Power Supply	ProSafe Auxiliary Power Supply	External Redundant Power Supply	ProSafe Auxiliary Fan Tray	ProSafe Auxiliary Power Supply	XCM8800 Power Supply
Hot-Swappable	When used with an RPS	When used with an RPS	Yes	Yes	Yes	Yes
Switch Compatibility	GSM72xxPS	GSM73xxSv2	GSM72xx GSM72xxPS GSM73xxSv1/v2	XSM7224S	XSM7224S	XCM8800 Series
Warranty	5 Year	5 Year	5 Year	5 Year	5 Year	3 Year

Wireless Networks with Security!

Central management of the WLAN infrastructure is a fundamental requirement. It should be established in advance which product fulfills the company's requirements.

1. WC7520 WLAN Controller:

a. Central Management of the WLAN Infrastructure (Scalable up to 150 Access Points)
b. Secure Guest Access (Captive Portal)/Ticket System
c. Fast Roaming for Real-Time Applications (Voice Over IP - VoIP); Hand Scanners in Logistics etc.)
d. Management of Access Points in the Head Office and Branch Office
e. RF Optimization

2. WMS5316 WLAN Management System

a. Central Management of the WLAN Infrastructure (up to 16 Access Points)
b. Standardized Security Settings
c. RF Optimization

ProSafe switches also provide secure, reliable WLAN as a useful extension to the company's cable infrastructure. They support theWPA2 security standard (IEEE 802.11i) for data encryption, as well as RADIUS for user authentication.

Mobility is the Decisive Factor

- To be of maximum value and to preserve the company's competitive advantage, data must be forwarded to the ERP system in real time.
- The ability to access resources within the business at any time is key for maintaining productivity.

With its extraordinary flexibility and speeds of up to 300 Mbps, wireless communication is becoming increasingly important to companies of all sizes.

Cost-Effectiveness

- There is no need to lay expensive cable from the server to the end device.
- Using management software or wireless controllers to deploy and administer access points significantly reduces costs.

Scalable Wireless LAN Solutions

The NETGEAR ProSafe product portfolio includes an array of WLAN solutions to meet a wide range of business needs:

Overview of Access Points

	Access Points	Management System and Controller	Management of Access Points (max. Number)
IEEE802.11 a/b/g/n Access Point up to 300Mb/s	WNDAP350, WNDAP360		
IEEE802.11 b/g/n Access Point up to 300Mb/s	WNAP320, WNAP210		
IEEE802.11b/g up to 54 Mb/s	WG103		
IEEE802.11a/b/g up to 54 Mb/s			
WLAN Mangement Software up to 300Mb/s			5
WLAN Management System up to 300Mb/s		WMS5316	16
WLAN Controller (11a/b/g/n) up to 300 Mb/s		WC7520	for a Control Unit (3 devices and appropriate licenses) up to 150

Support Matrix: Which Access Point is essentially supported by which Management or Controller System?

	WNDAP 350	WNDAP 360	WNAP 320	WNAP 210	WG 103	WN 604	WN 802Tv2	WG 602v4
WMS105 (Management Software)	•	•	•	•	•	•	•	•
WMS5316 (WLAN Management System)	•	•	•	•	•	•	•	•
WFS709TP Wireless Controller								
WC7520 Wireless Controller	•	•	•	•				

* update via Firmware

** depends on Firmware status of WMS system.

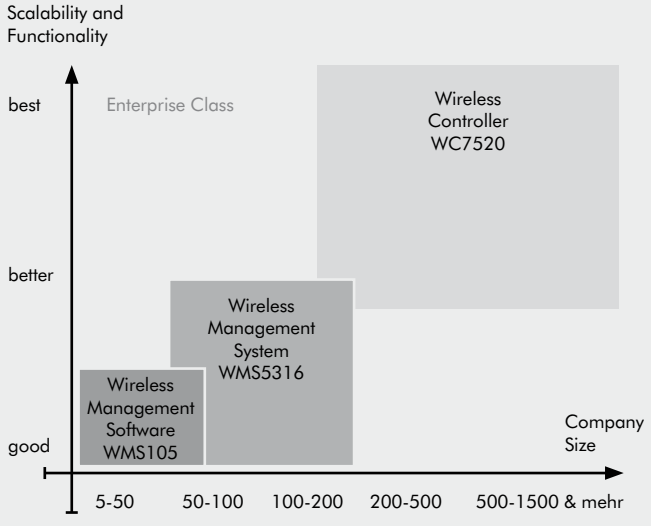
WLAN-Portfolio

This includes:

- Controller Solutions
- WLAN Management Software
- Access Points
- PC, Notebook and USB Network Adapters
- Antennas

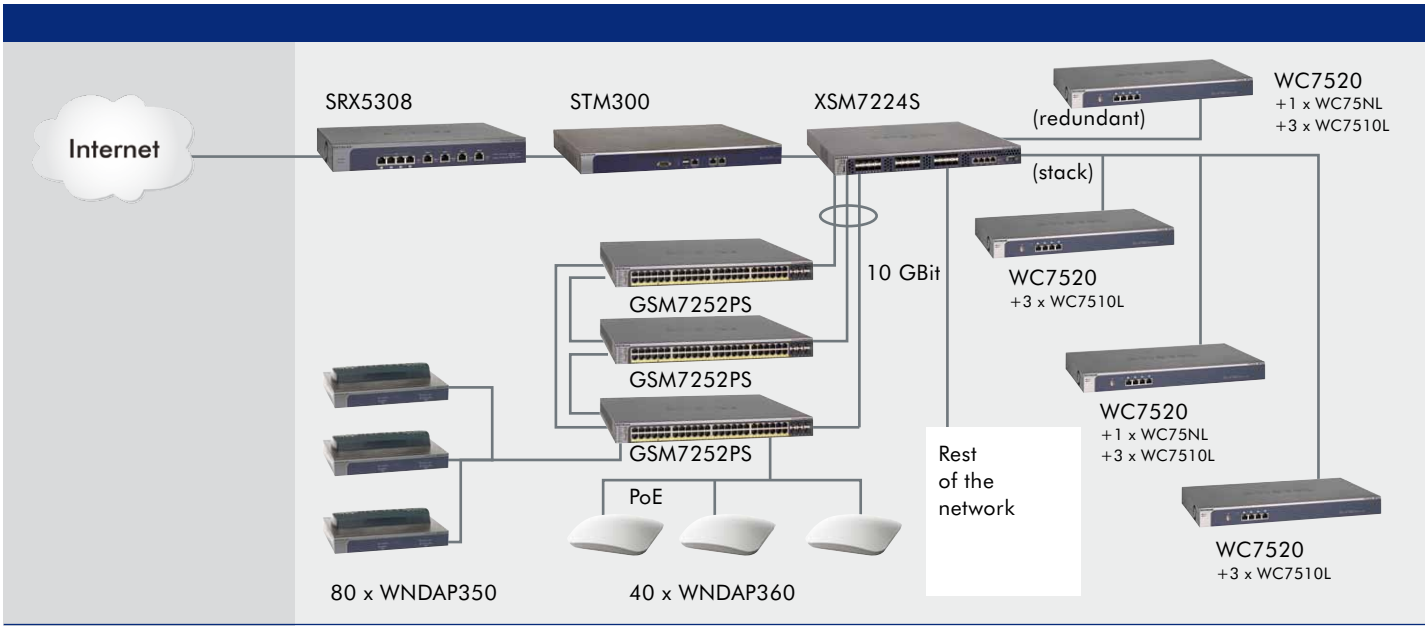
NETGEAR focuses on the integration of the latest technologies in all these areas. ProSafe Access Points for example have Power-over-Ethernet (PoE) connections.

Wireless Management Solutions



	WIRELESS ACCESS POINTS		
MODEL	WNDAP360	WNDAP350	WNAP320
Product Description	ProSafe Dual Band Wireless-N Access Point	ProSafe Dual Band Wireless-N Access Point	ProSafe Wireless-N Access Point
Wireless Support	IEEE 11a/b/g/n	IEEE 802.11a/b/g/n	IEEE 802.11b/g/n
Maximum Throughput		300 Mbps	300 Mbps
Frequency Rate	2.4 GHz and 5.0 GHz	2.4 GHz and 5.0 GHz	2.4 GHz
Ports		(1) 10/100/1000 Mbps Port	(1) 10/100/1000 Mbps Port
802.3AF Poe Support	•	•	•
Poe Consumption	10.51 W	12.7 W	5.8W
Antenna	Two (2) Internal 5 Dbi Two (2) reverse SMA antenna connectors	Two (2) reverse SMA antenna connectors	Two (2) reverse SMA antenna connectors
Reverse Sma Antenna Connectors	2	2	2
Accepts Accessory Antennas	•	•	•
WDS Wireless Distribution System	• Bridge mode: Point-to-point wireless WDS mode • Bridge mode: Point-to-multipoint wireless WDS mode • Repeater mode • Adjustable Transmit Power Control (TPC) from 100 mW down to 0 mW	• Repeater • Point-to-point/multi-point • Simultaneous bridge & wireless client association	• Repeater • Point-to-point/multi-point • Simultaneous bridge & wireless client association
SSID	8	8	8
User Support	Up to 50 users	Up to 64 users	Up to 32 users
WPA/WPA2 – Enterprise, 802.11I	•	•	•
VPN Pass-Through	•	•	•
Mac® Address Filtering	Up to 256 users	Up to 256 users	Up to 256 users
802.1X Radius	•	•	•
Block SSID Broadcast	•	•	•
Peer To Peer Blocking	•	•	•
Secure Socket Layer (SSL) Remote Management Login	•	•	•
Secure Ssh Telnet	•	•	•
SSL / Secure Ssh	•	•	•
Client Isolation	•	•	•
QOS	WMM	WMM	WMM
Client Power Save	WMM-PS	WMM-PS	WMM-PS
Rogue AP Detection	•	•	•
Wireless Management	ProSafe WC7520; WMS5316; WMS105	ProSafe WC7520; WMS5316; WMS105	ProSafe WC7520; WMS5316; WMS105
Network Management	SNMP MIB I, MIB II, 802.11 MIB and Proprietary Configuration MIB	SNMP v1, v2c: MIB I, MIB II, 802.11 MIB, and Proprietary Configuration MIBs	SNMP v1, v2c: MIB I, MIB II, 802.11 MIB, and Proprietary Configuration MIBs
User Interface	ProSafe Control Center GUI	ProSafe Control Center GUI	ProSafe Control Center GUI
Remote Configuration	Web browser, SNMP or Telnet with command line interface (CLI)	Web browser, SNMP or Telnet with command line interface (CLI) / FTP with product line	Web browser, SNMP or Telnet with command line interface (CLI) / FTP with product line
Physical Dimensions (W X D X H)	253.75 x 253.76 x 54.76 mm (10.0 x 10.0 x 2.16 in)	32 x 190 x 124 mm (1.25 x 7.5 x 4.9 in)	55 x 254 x 254 mm (2.15 x 10 x 10 in)
Weight	1.93 lbs (0.878 kg)	1.2 lb (0.56 kg)	1.95 lb (0.89 kg)
In The Box	Resource CD, Power Adapter, Ethernet cable, Wall Mounting Kit, Installation guide, Warranty/support information card	Resource CD, Power Adapter, Ethernet cable, Wall Mounting Kit	Resource CD, Power Adapter, Ethernet cable, Wall Mounting Kit
Certifications	Wi-Fi Certified	Wi-Fi Certified	Wi-Fi Certified
Plenum-Rated		•	•
Warranty	Hardware: Lifetime, Power Supply: 3 Year	Hardware: Lifetime, Power Supply: 3 Year	Hardware: Lifetime, Power Supply: 3 Year
ProSupport Maintenance Pkgs - Oncall 24X7	PMB0331 PRR0331	PMB0331 PRR0331	PMB0331 PRR0331

	WIRELESS ACCESS POINTS	
MODEL	WNAP210	WG103
Product Description	ProSafe Wireless-N Access Point	ProSafe 802.11g Wireless Access Point
Wireless Support	IEEE 802.11a/b/g/n	IEEE 802.11g
Maximum Throughput	300 Mbps	108 Mbps
Frequency Rate	2.4 GHz	2.4 GHz
Ports	(1) 10/100/1000 Mbps Port	(1) 10/100 Mbps Port
802.3AF Poe Support	•	•
Poe Consumption	5.8 W	5 W
Antenna	Internal 2.4 GHz Antennas	One (1) 5 dBi detachable (2.4 GHz)
Reverse Sma Antenna Connectors	none	1
Accepts Accessory Antennas	no	•
WDS Wireless Distribution System	• Repeater • Point-to-point/multi-point • Simultaneous bridge & wireless client association • Client Mode	• Repeater • Point-to-point/multi-point • Simultaneous bridge & wireless client association
SSID	8	8
User Support	Up to 32 users	Up to 32 users
WPA/WPA2 – Enterprise, 802.11I	•	•
VPN Pass-Through	•	•
Mac® Address Filtering	Up to 256 users	Up to 256 users
802.1X Radius	•	•
Block SSID Broadcast	•	•
Peer To Peer Blocking	•	•
Secure Socket Layer (SSL) Remote Management Login	•	•
Secure Ssh Telnet	•	•
SSL / Secure Ssh	•	•
Client Isolation	•	•
QOS	WMM	WMM
Client Power Save	WMM-PS	WMM-PS
Rogue AP Detection	•	•
Wireless Management	ProSafe WC7520; WMS5316; WMS105	ProSafe NMS100; WMS5316; WMS105
Network Management	SNMP v1, v2c: MIB I, MIB II, 802.11 MIB, and Proprietary Configuration MIBs	SNMP v1, v2c: MIB I, MIB II, 802.11 MIB, and Proprietary Configuration MIBs
User Interface	ProSafe Control Center GUI	ProSafe Control Center GUI
Remote Configuration	Web browser, SNMP or Telnet with command line interface (CLI) / FTP with product line	Web browser, SNMP or Telnet with command line interface (CLI) / FTP with product line
Physical Dimensions (W X D X H)	28 x 153.2 x 223.5 mm (1.1 x 6.0 x 8.8 in)	157 x 99 x 25 mm (6.2 x 3.9 x 1 in)
Weight	.9 lb (0.41 kg)	0.88 lb (0.40 kg)
In The Box	Resource CD, Power Adapter	One (1) Detachable Antenna, Resource CD, Power Adapter, Ethernet cable, Wall Mounting Kit
Certifications	Wi-Fi Certified	
Plenum-Rated		•
Warranty	Hardware: Lifetime, Power Supply: 3 Year	Lifetime
ProSupport Maintenance Pkgs - Oncall 24X7	PMB0331 PRR0331	PMB0331 PRR0331



ProSafe 20 AP Wireless Controller (WC7520)

Scalable Architecture
- Basic device and equipment:
  - IEEE 802.11a/b/g/n
  - up to 20-Access Points
- WC7510L license usage for an additional 10 Access Points
- Management of max. 50 Access Points per Controller
- Control unit (up to three devices combined) Management of up to 150 Access Points taking into account the appropriate licenses
- N+1 redundancy to extend availability

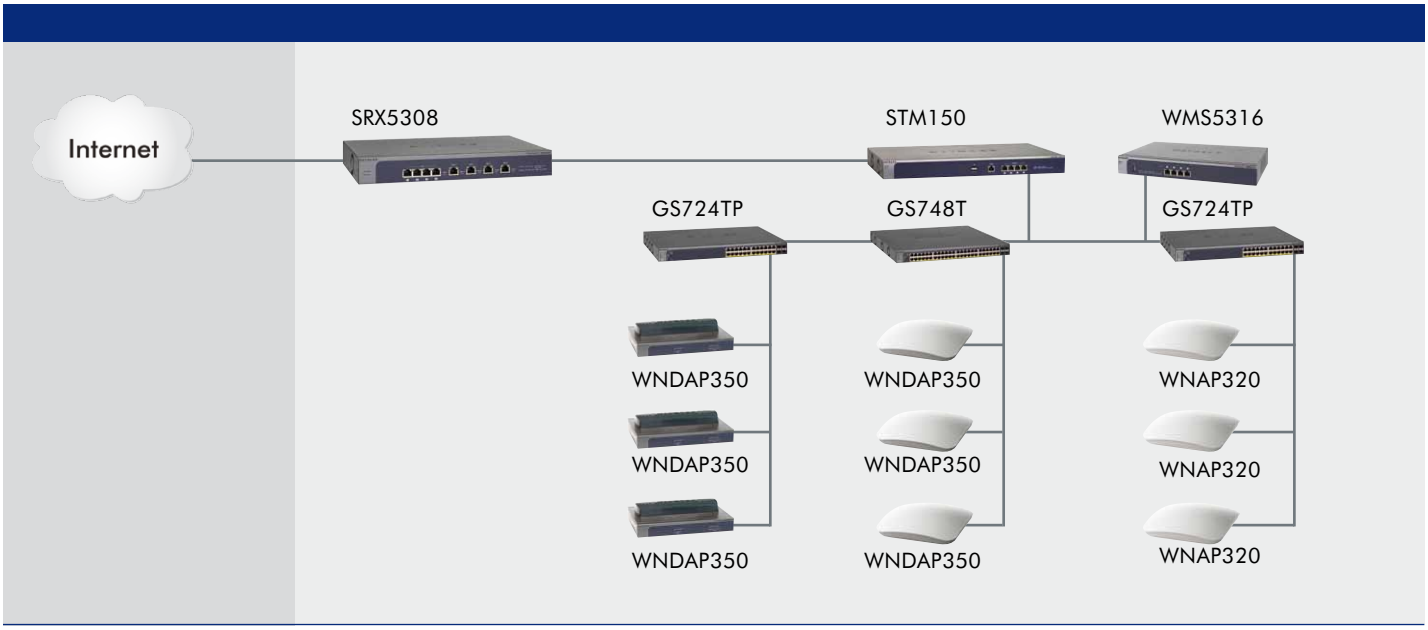
Management of Access Points in the head office and branch office
- "Discovery Mode" for the supported Access Points in the network (L2, L3, VLAN and via VPN)
- Integrated building plans can be used to visualize the WLAN network and for calculation

Security
- RADIUS, Active Directory and internal/external AAA Server
- 8 security profiles (SSID, 802.11i Security, VLAN, ACLs, Access Point Parameter)
- Rogue AP detection and protection
- Standard RADIUS interface for the integration of authentication/billing solutions
- Time-controlled operating time of the WLAN
- Fast Roaming and Voice over Wi-Fi
- Fast Roaming Support (FRS)
- Transition-free L2/L3 mobility for time-sensitive applications such as video, audio and voice
- WMM and Spectralink SVP Quality of Service (QoS) for the prioritization of Voice over Wireless (VoWi-Fi)

Guest Access
- Via Captive Portal with self-registration or preset authentication
- Logging for guest access

RF Management
- Integrated RF planning application for calculation and coverage
- Dynamic signal level adjustment and channel selection
- Automatic WLAN healing after loss of AP or due to RF interference
- Load balancing and bandwidth regulation per Access Point, per SSID or per user
- RF illumination and triangulation

Warranty
- Lifetime
- ProSupport Service Pack: XPressHW Hardware Express Replacement (Relevant to Switzerland and some other countries) PRR0353 (5 years) PRR0333 (3 years)
- ProSupport: On-site Hardware Replacement for 3 years included in delivery scope. For details see the "ProSupport" datasheet (Relevant to Germany, Austria and some other countries)



ProSafe 16 AP Wireless Management System (WMS5316)

Simple Commissioning and Administration
- Centralized Management Architecture
- "Discovery Mode" for the supported Access Points in the Network (L2, L3, VLAN)
- Only one single instance for configuration settings and changes. The conversion currently applies across the whole administrated WLAN network.

Performance and RF Coverage
- Dynamic channel selection and signal level adjustment
- Load balancing

Standardized Security Settings
- Central management sets uniform security standards for WLAN access in the company
- Secure guest access with ProSafe Access Points
- "MAC authentication" for the authorization of end devices
- "802.1x Network Authentication" for authorized access to the corporate network with simultaneous granting of rights
- Rogue AP support

MODEL	ANT224D10	ANT32405	ANT24D18	ANT2409	ANT2407	ANT2405
Product Description	ProSafe 2x2 Outdoor 10 dBi Directional Antenna	ProSafe 3x3 Indoor 5 dBi Omni-directional Antenna with Integrated Cable	ProSafe Indoor/Outdoor 14 dBi Patch Panel Directional Antenna	ProSafe Indoor/Outdoor 9 dBi Omni-directional Antenna	ProSafe Indoor 7 dBi Omni-directional Antenna with Integrated Cable	ProSafe Indoor 5 dBi Omni-directional Antenna
Customer Needs	Indoor/outdoor long range point-to-point connections, such as connecting 2 buildings, 2 LANs together	Optimally place antenna to maximize coverage and keep the AP hidden (in the switch closet or above a ceiling)	Indoor/outdoor long range point-to-point connections, such as connecting 2 buildings, 2 LANs together	Indoor/Outdoor medium-range applications. Perfect for building rooftops.	Optimally place antenna to maximize coverage and keep the AP hidden (in the switch closet or above a ceiling)	Optimally place antenna to maximize coverage and keep the AP hidden (in the switch closet or above a ceiling)
Frequency	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz	2.4 GHz
Max. Outdoor Range	10.4 km (6.7 miles)***	n/a	21.4 km (13.3 miles)*	11.5 km (7.2 miles) **	n/a	n/a
Polarization	Linear; Vertical	Vertical	Vertical	Vertical	Vertical	Vertical
Gain	10 dBi	5 dBi	14 dBi	9 dBi	7 dBi	5 dBi
Warranty	2 Year	2 Year	2 Year	2 Year	2 Year	2 Year

	ACC-10314-01	**ACC-10314-03**	**ACC-10314-04**
Cable length	1,5 m	5 m	10 m
Maximal cable attenuation with connectors	1,4 dB	3,7 dB	7,0 dB
Weight	50 g	225 g	440 g
Attenuation	max. 0,21dB/h or max. 669 dB/m at 2,5GHz	max. 0,21dB/h or max. 669 dB/m at 2,5GHz	max. 0,21dB/h or max. 669 dB/m at 2,5GHz
Operating temperature	-40 to 70 °C	-40 to 70 °C	-40 to 70 °C
Min. Bend Radius	26 mm	26 mm	26 mm
Connectors	Reverse SMA female (both ends)	Reverse SMA female (both ends)	Reverse SMA female (both ends)
Package size (H x D x W) in mm	450 x 280 x 12	450 x 280 x 12	450 x 280 x 12
Warranty	2 Years	2 Years	2 Years
Ordering information	1,5 meter cable ACC-10314-01	5 meter cable ACC-10314-03	10 meter cable ACC-10314-04

* Range estimation is based on FCC-compliant operation of two (2) 802.11 APs each with two (2) ANT24D18 antennas placed at 90 degree rotation, 5 m antenna cables, and lightning arrestors installed. With the antennas positioned 36 m above the ground, data rate should sustain 1 Mbps under ideal line-of-sight conditions

** Range estimation is based on FCC-compliant operation of two (2)802.11 APs each with two (2) ANT2409 antennas, 1 m antenna cables, and lightning arrestors installed. With the antennas positioned 27 m above the ground, data rate should sustain 1 Mbps under ideal line-of-sight conditions.

***Range estimation is based on FCC-compliant operation of two (2) 802.11 APs with two (2) ANT224D10 antennas, 5 m antenna cables, and lightning arrestors installed. With the antennas positioned 26 m above the ground, data rate should sustain 1 Mbps under ideal line-of-sight conditions

Security Has a Name

"This product (UTM9S) was extremely easy to set up and configure in our test environment. Within minutes, we had an operating solution. The documentation is complete and well done. The product comes complete with 24/7 support and advanced hardware replacement for the first year bundled price, and is renewable for $55 a year thereafter. This product offers a lot of gateway protections at an attractive price point."

— Peter Stephenson, SC Magazine

NEW NGFW - application control for Facebook, google chat, Skype and 1800 other applications

The company's Internet connection is every bit as important as high-performance data transport within the network

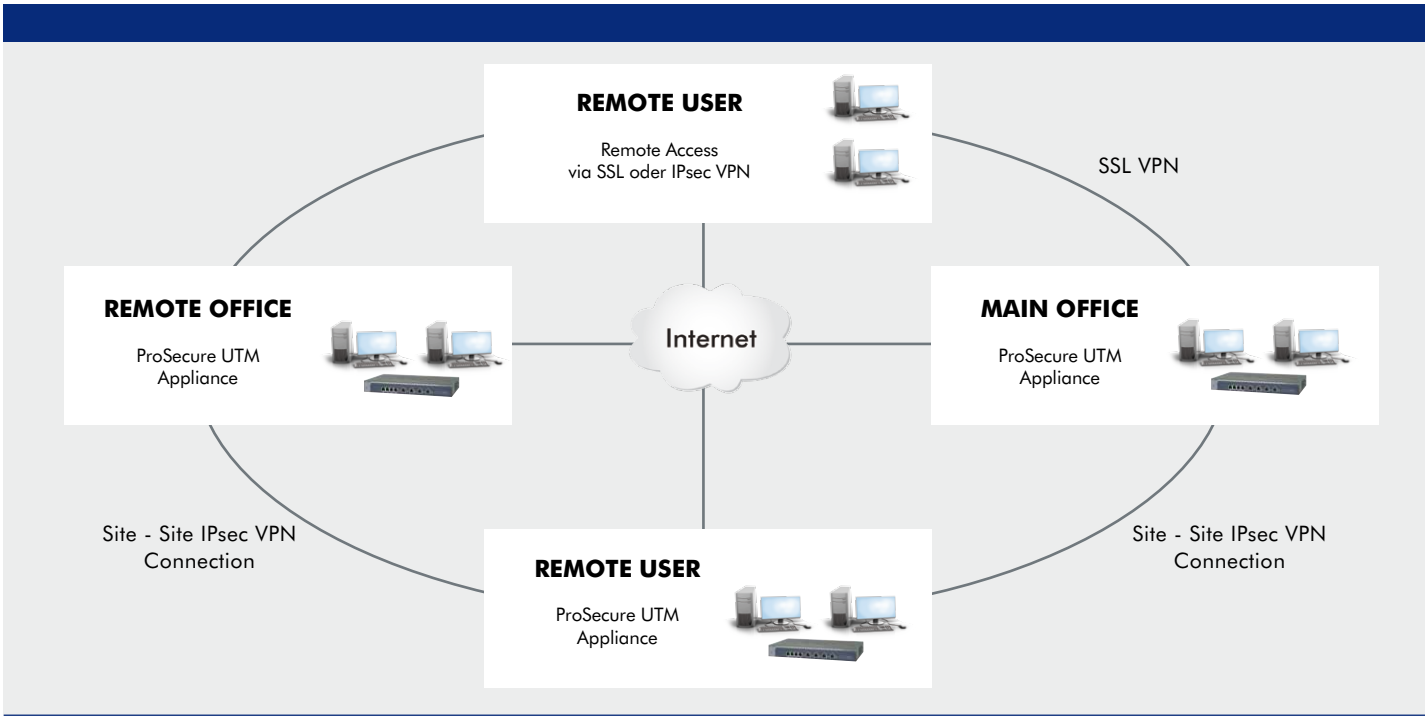
Effective protection against the threat of Internet-based attacks is an integral component of any security system. However, the modern working world also dictates that employees must have the ability to access company resources from external locations. NETGEAR offers a variety of VPN firewall solutions to provide mobile and external employees with a secure connection to the company network . ProSafe Firewalls can receive and independently terminate up to 175 VPN tunnels, and decrypt all connections, thereby leaving the servers free to perform their core tasks.

NETGEAR® ProSafe®

NETGEAR® ProSecure®

In addition to creating VPN tunnels via the IPSec protocol, SSL encryption offers many advantages, and is therefore growing in popularity. Field service employees, for example, can use an SSL VPN to open a browser session on any computer that has an Internet connection to log in to corporate headquarters. NETGEAR ProSafe enables Internet and remote access to be easily, securely established.

Once the connection is established, the data must be checked for viruses, Trojan horses, SPAM, and other web-based threats. For this reason, ProSecure STM products are integrated sequentially between the firewall and the core switch. Data passes through the appliance and is immediately analyzed for integrity. For companies that prefer a combined solution, ProSecure UTM devices provide a comprehensive all-in-one gateway security solution.



Application Examples

					Remote Access for Mobile Users	
	Product	Internet Access	Branch Office	Home Office	via SSL VPN	via VPN Software Client (VPNG01L/-05L
ProSafe VPN Firewall Router						
Wired	SRX5308	•	•		•	•
	FVS336G	•	•	•	•	•
	FVS318G	•		•		•
	FVS318	•		•		
Wireless	FVS318N	•	•	•	•	•
	FVG318	•		•		•
ProSecure – Web and Email Security Appliance						
Wired	UTM5	•	•	•	•	•
	UTM10	•	•	•	•	•
	UTM25	•	•	•	•	•
	UTM50	•	•		•	•
	UTM150	•	•		•	•
Wireless; ADSL- bzw. VDSL Modem. Modular	UTM9S	•	•	•	•	•

The functional scope of the devices in the ProSafe and ProSecure ranges offer a variety of possible applications:

- Internet access
- Networking of locations and subsidiaries
- Home office integration
- Mobile access to company resources
- Headquarters, subsidiaries, home offices and mobile employees form a virtual network. Communication is encrypted and enabled via the Internet.
- All employees receive access to important information and resources in real time, independently of their location.
- The enterprise resource planning (ERP) system collects data from all subareas of the company.
- Companies and suppliers communicate via VPN
- Extranet and are directly integrated into the production process.
- IT service providers have access to the company network, therefore guaranteeing permanent monitoring of systems and the network infrastructure.

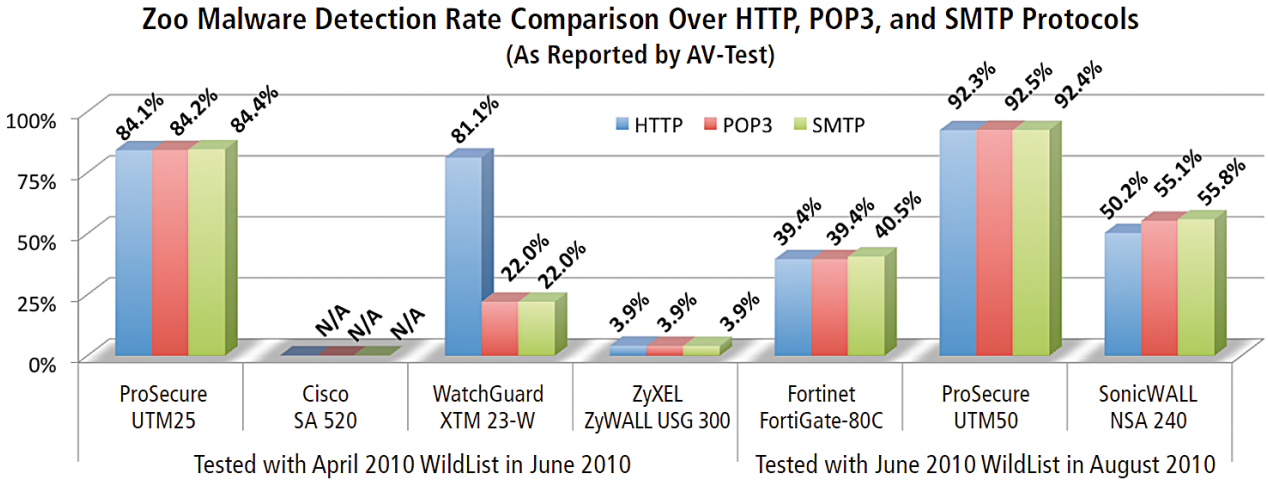
ProSecure
- – LDAP integration
- – 2-factor authentication
- – Application control - NGFW NEW

MODEL	SRX5308	FVS336G
Product Description	ProSafe Quad WAN Gigabit Firewall with SSL & IPSec VPN	ProSafe Dual WAN Gigabit Firewall with SSL & IPSec VPN
Firewall	DoS/SPI Firewall	DoS/SPI Firewall
Router	Ethernet NAT Router	Ethernet NAT Router
Dedicated VPN Tunnels	125 (IPSec)/50 (SSL)	25 (IPsec)/10 (SSL)
Switch Ports & Interfaces	(4) 10/100/1000 Mbps LAN (4) 10/100/1000 Mbps WAN (1) Serial Port	(4) 10/100/1000 Mbps LAN (2) 10/100/1000 Mbps WAN
WAN Failover & Load balancing	•	•
DMZ Port	•	SW Port Forwarding
Memory (Flash/DRAM)	64/512MB	16/64MB
3DES Throughput	180 Mbps	16 Mbps
Concurrent Connections	200,000	10,000
LAN-To-WAN Throughput	924 Mbps	60 Mbps
WAN Load Balancing	•	•
In The Box	Ethernet Cable, Power Cable, Rackmount Kit, Rubber Feet, Installation Guide, Warranty/Support Information Card, Resource CD With Single User ProSafe VPN Client Software License	Ethernet cable, Rackmount kit (FVX538 only), Installation guide, Resource CD with software, Warranty/Support Information
Warranty	Lifetime	Hardware: Lifetime Power Supply: 3 Year
ProSupport Maintenance Pkgs - Oncall 24X7 - XPRESSSHW	PMB0331 PRR0331	PMB0331 PRR0331

MODEL	FVS318G	FVS318
Product Description	ProSafe VPN Firewall with 8 Port 10/100 Mbps Switch	ProSafe VPN Firewall with 8 Port 10/100 Mbps Switch
Firewall	DoS/SPI Firewall	DoS/SPI Firewall
Router	Ethernet NAT Router	Ethernet NAT Router
Dedicated VPN Tunnels	5	8
Switch Ports & Interfaces	(8) 10/100/1000 Mbps LAN (1) 10/100/1000 Mbps WAN	(8) 10/100 Mbps LAN (1) 10/100 Mbps WAN
WAN Failover		
DMZ Port	•	SW Port Forwarding
Memory (Flash/DRAM)	8/32MB	2/16MB
3DES Throughput	7 Mbps	5 Mbps
Concurrent Connections	6,000	8,000
LAN-To-WAN Throughput	25 Mbps	11.5 Mbps
WAN Load Balancing		
In The Box	Power adapter, Ethernet cable, Installation guide, Resource CD, Warranty/Support Information	Power adapter, Ethernet cable, Installation guide, Resource CD, Warranty/Support Information
Warranty	Lifetime	Lifetime
ProSupport Maintenance Pkgs - Oncall 24X7 - XPRESSSHW	PMB0331 PRR0331	PMB0331 PRR0331

MODEL	FVS318N
Product Description	ProSafe Wireless-N 8-port Gigabit VPN Firewall
Firewall	DoS/SPI Firewall
Router	Ethernet NAT Router
Dedicated VPN Tunnels	5 IPSEC 2 SSL
Switch Ports & Interfaces	(8) 10/100/1000 LAN (1) 10/100/1000 WAN
WAN Failover	
DMZ Port	•
Memory (Flash/DRAM)	32MB
3DES Throughput	60 Mbps
Concurrent Connections	6000
LAN-To-WAN Throughput	200 Mbps
WAN Load Balancing	
In The Box	Ethernet Cable, Power Adapter, Install Guide, Resource CD
Warranty	Firewall: NETGEAR Lifetime Warranty Power Supply: NETGEAR 3-Year Warranty
ProSupport - Oncall 24X7 - XPRESSSHW	PMB0331 PRR0331

Comparison Test with UTM 25 and UTM50



- "Zoo" Malware refers to "Adware/Spyware", back doors, Trojan horses, bots/zombies, viruses, worms etc.
- Tests were performed separately for each protocol.
- Tests were performed by AV test GmbH, Magdeburg (AV-Test.org). More than 60,000 threats were used, which represent the typical threat potential in the Internet.
- CISCO results are not available for some areas, as the function is not available.

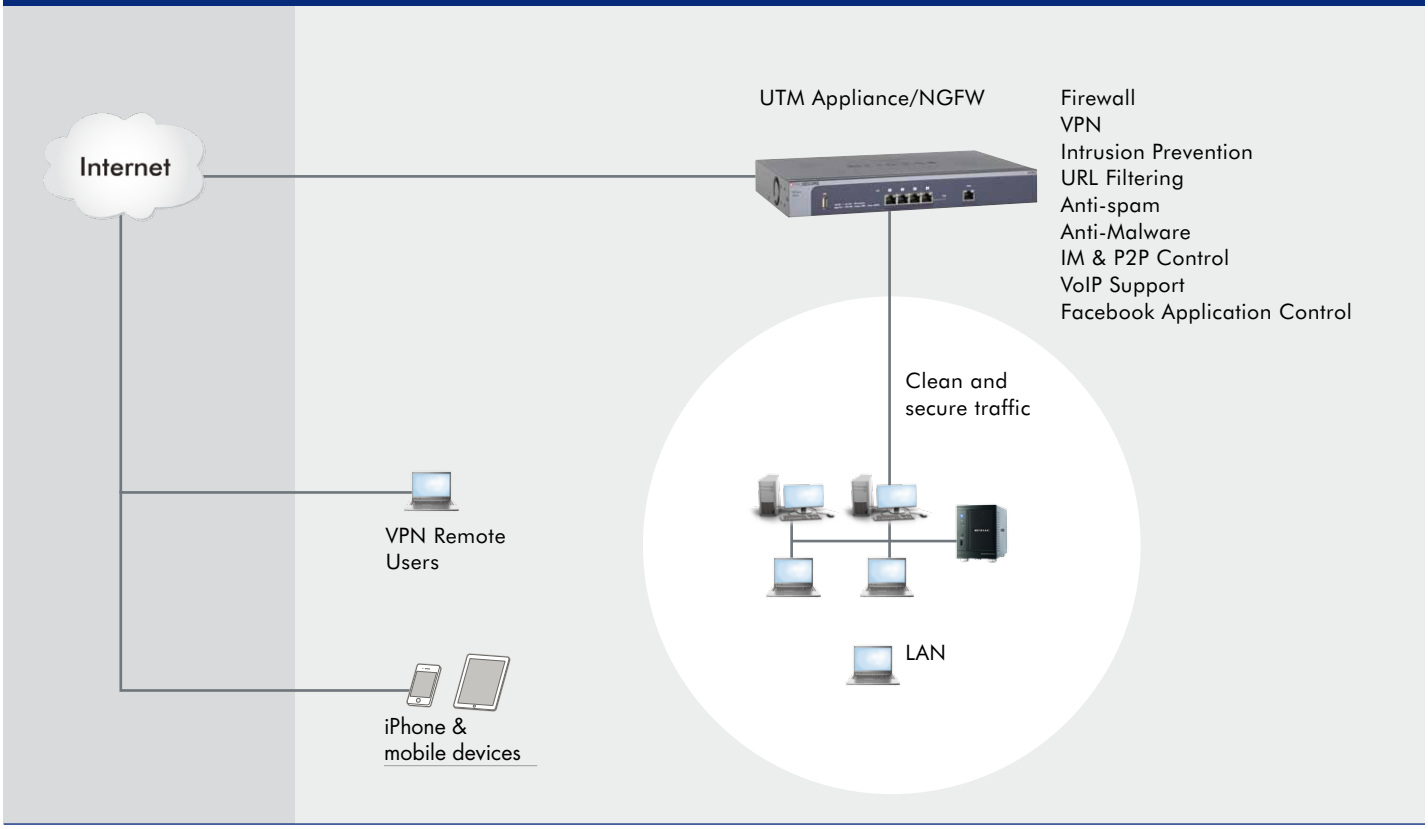
For Small Companies – Comprehensive All-in-One Gateway Security

NETGEAR ProSecure UTM appliances provide all-in-one gateway security for small and midsize companies. These appliances combine application proxy firewall, VPN, zero day protection, anti-virus, anti-spyware, anti-spam, intrusion prevention, and URL filtering for total protection. The modular architecture uses patented stream-scanning technology for scanning files and data streams, for up to 5x the performance of conventional methods, without sacrificing security. This architecture also enables the ProSecure UTM to use the more than 1.2 million signatures from the NETGEAR and Sophos virus and malware databases. These databases are up to 200x more comprehensive than competitive UTM offerings.

Functions & Benefits

- All-in-one unified threat management
- Best-of-breed virus detection in cooperation with Sophos™
- Stop spam email from reaching your mailbox and clogging your network
- Patented stream-scanning technology guarantees minimum latency time
- Hybrid "in-the-cloud" anti-spam system – no fine-tuning required
- Hybrid "in-the-cloud" web filter with monitoring of
- P2P & IM for controlled Internet access
- Zero-hour protection against unknown threats in real time
- Securely connect remote offices and remote users via IPsec, SSL, PPTP and L2TP VPN
- Prevent unwanted network attacks with built-in Intrusion Prevention
- No user-dependent license fees
- Simple subscription options
- Patented stream-scanning technology reducing latency up to 40%
- Enhance employee productivity with url filtering and social media application control managing 1800+ applications NEW

ProSecure UTM



Ordering/Licensing Information

Hardware (Additional Web and/or Email Subscription Required)	**Bundle** (Hardware including 1-Year Web, 1-Year Email and 1-Year Software Maintenance & Upgrades, 24/7 support and Advanced Replacement)	**Web Threat Management**	**Email Threat Management**	**Software Maintenance & Upgrades,** 24/7 Support, Advanced Replacement	**Bundle** Subscription Bundle without Hardware
UTM5-100NAS	1-Year Subscription	1-Year Subscription	1-Year Subscription	1-Year Subscription	1-Year Subscription
UTM9S-100NAS	UTM5EW-100NAS	UTM5W-10000S	UTM5E-10000S	UTM5M-10000S	UTM5B-10000S
UTM10-100NAS	UTM9SEW-100NAS	UTM9SW-10000S	UTM9SE-10000S	UTM9SM-10000S	UTM9SB-10000S
UTM25-100NAS	UTM10EW-100NAS	UTM10W-10000S	UTM10E-10000S	UTM10M-10000S	UTM10B-10000S
UTM50-100NAS	UTM25EW-100NAS	UTM25W-10000S	UTM25E-10000S	UTM25M-10000S	UTM25B-10000S
UTM150-100NAS	UTM50EW-100NAS	UTM50W-10000S	UTM50E-10000S	UTM50M-10000S	UTM50B-10000S
	UTM150EW-100NAS	UTM150W-10000S	UTM150E-10000S	UTM150M-10000S	UTM150B-10000S
UTM9SDSLA-10000S					
UTM9SWLSN-10000S	3-Year Subscription	3-Year Subscription	3-Year Subscription	3-Year Subscription	3-Year Subscription
	UTM5EW3-100NAS	UTM5W3-10000S	UTM5E3-10000S	UTM5M3-10000S	UTM5B3-10000S
	UTM9SEW3-100NAS	UTM9SW3-10000S	UTM9SE3-10000S	UTM9SM3-10000S	UTM9SB3-10000S
	UTM10EW3-100NAS	UTM10W3-10000S	UTM10E3-10000S	UTM10M3-10000S	UTM10B3-10000S
	UTM25EW3-100NAS	UTM25W3-10000S	UTM25E3-10000S	UTM25M3-10000S	UTM25B3-10000S
	UTM50EW3-100NAS	UTM50W3-10000S	UTM50E3-10000S	UTM50M3-10000S	UTM50B3-10000S
	UTM150EW3-100NAS	UTM150W3-10000S	UTM150E3-10000S	UTM150M3-10000S	UTM150B3-10000S

ICSA labs CERTIFIED ANTI-SPAM · mailshell™ · commtouch® · KASPERSKY lab · SOPHOS

For more info go to:
www.ProSecure.Netgear.com

MODEL	UTM5	UTM9S	UTM10	UTM25	UTM50	UTM150
SIZING GUIDELINES						
Average Anti-virus Throughput	15Mbps	21Mbps	20Mbps	25Mbps	45Mbps	130Mbps
Stateful Packet Inspection Firewall Throughput	90Mbps	250Mbps	90Mbps	127Mbps	400Mbps	900Mbps
Maximum VPN Throughput	40Mbps	50Mbps	50Mbps	90Mbps	200Mbps	700Mbps
Maximum Concurrent Connections	8000	16000	12000	27000	40000	65000
VLANs	255	255	255	255	255	255
3G/4G (via USB)		•				
CONTENT SECURITY						
Web and Email Scanned Protocols	HTTP, HTTPS, FTP, SMTP, IMAP, POP3					
Stream Scanning	•	•	•	•	•	•
Inbound and Outbound Inspection	•	•	•	•	•	•
Signature-Less Zero Hour Protection	•	•	•	•	•	•
Malware Signature	1.2 Million	1.2 Million	1.2 Million	1.2 Million	1.2 Million	1.2 Million
Automatic Signature Updates	Hourly	Hourly	Hourly	Hourly	Hourly	Hourly
Anti-spam Real-time Blacklist (RBL)	•	•	•	•	•	•
Distributed Web Analysis URL Filtering with 64 Categories	•	•	•	•	•	•
Number of Users	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Distributed Spam Analysis *Application Control (Facebook/ IM/P2P), for 1800+ Applications. Keyword & File Extension Filtering	•	•	•	•	•	•
FIREWALL FEATURES						
Stateful Packet Inspection (SPI)	Port/Service Blocking, Denial-of-service (DoS) Prevention, Stealth Mode, Block TCP Flood, Block UDP Flood, WAN/LAN Ping Response Control					
Intrusion Detection & Prevention	•	•	•	•	•	•
WAN Modes	NAT, Classical Routing					
ISP Address Assignment	DHCP, Static IP Assignment, PPPoE, PPTP					
NAT Modes	1-1 NAT, PAT					
Routing	Static, Dynamic, RIPv1, RIPv2					
DDNS	DynDNS.org, TZO.com, Oray.net					
Firewall Functions	Port Range Forwarding, Port Triggering, DNS proxy, MAC Address Cloning/spoofing, Network Time Protocol NTP Support, Diagnostic Tools (ping, DNS lookup, trace route, other), Auto-Uplink on Switch Ports, L3 Quality of Service (QoS), LAN-to-WAN and WAN-to-LAN (ToS)					
DHCP	DHCP Server, DHCP Relay					
User Authentication	Active Directory, LDAP, Radius, Local User Database					
Security Policies Based on Active Directory with Single Sign-On (SSO)	•	•	•	•	•	•
VPN						
VPN Protocols	SSL/IPsec/PPTP/L2TP	SSL/IPsec/PPTP/L2TP	SSL/IPsec/PPTP/L2TP	SSL/IPsec/PPTP/L2TP	SSL/IPsec/PPTP/L2TP	SSL/IPsec/PPTP/L2TP
Site to Site VPN Tunnels	5	10	10	25	50	150
SSL VPN for Remote Access	2	5	5	13	25	75
DEPLOYMENT						
Dual-WAN Fail-over		Triple		Dual	Dual	Dual
Intelligent Traffic Load Balancing		•		•	•	•
LOGGING AND MANAGEMENT						
Management	HTTP/HTTPS, SNMP v2c					
Log Delivery	Management GUI Query, Email Delivery, Syslog					
HARDWARE						
WAN Gigabit RJ45 Ports	1	2	1	2	2	4
Wireless-N, vDSL	•	•	•	•	•	•
LAN Gigabit RJ45 Ports	4	4	4	4	6	4
DMZ Port (Configurable)	1	1	1	1	1	1
Dimensions (W x H x D)	330 x 430 x 209mm	330 x 430 x 286mm	330 x 430 x 209mm	330 x 430 x 209mm	440 x 430 x 261mm	44 x 4.3 x 25.3cm
Weight kg	2.1	2.56	2.1	2.1	2.9	2.9
WARRANTY	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime	Lifetime

*Application Control provided with maintenance license.

ProSecure STM

For more info go to:
www.ProSecure.Netgear.com

NETGEAR STM offers comprehensive protection against Internet attacks for small and medium-sized enterprises (SME). Security for email communication, visiting websites, and the integrated spam filter ensure that you receive the emails that are required for your company communications.

Real-Time Protection

Data traffic to and from the Internet is checked in real time for hidden, targeted malware using the latest, highly scalable stream-scanning technology (patent pending).
Malware (viruses, Trojan horses, worms, phishing, SPAM) is blocked at the gateway, without affecting the Internet connection.

Full Security

Web and email protection using the 6 major network protocols: HHTP, HTTPS, FTP, SMTP, POP3 and IMAP
With its "Enterprise-Level" scan engines, the STM blocks both known and undefined threats through signature-based and heuristic virus detection. The STM database contains over 3 million malware signatures.

Comprehensive Management

Secure and intuitive management via graphical administration screen.
- Detailed policy and alarm settings
- Extensive statistics and graphical reports
- Integration into network management tools via SNMP

Simple Licensing

Security with no complicated license variants or pro-user models. There are only 3 licenses to manage:
Web, email, maintenance & support – without users Restrictions. The maintenance & support agreement offers 24x7 customer support, advance replacement, and regular updates of basic functions.

The Easiest Form of Appliance

- Can be integrated anywhere in the network within minutes
- Automatic and uncomplicated operation
- Simply "set up and forget"

MODEL	STM150	STM300	STM600
SIZING GUIDELINES			
Customer Type	Small Networks	Medium-sized Networks	Medium-sized Networks
HTTP Throughput (Mb/s)	42	163	260
SMTP Throughput (emails/hour)	139,000	420,000	960,000
CONTENT SECURITY			
Web (HTTP, HTTPS, FTP)	•	•	•
Email (SMTP, POP3, IMAP)	•	•	•
Stream Scanning	•	•	•
Inbound and Outbound Inspection	•	•	•
Signature-Less Zero Hour Protection	•	•	•
Malware Signatures	3 Million	3 Million	3 Million
Automatic Signature Updates	Hourly	Hourly	Hourly
Distributed Spam Analysis	•	•	•
Email Quarantine	•	•	•
Anti-spam Real-time Blacklist (RBL)	•	•	•
True HTTPS Scanning and Filtering	•	•	•
Distributed Web Analysis URL Filtering with 64 Categories	•	•	•
Application Control (IM, P2P, Streaming Media, Toolbar)	•	•	•
Number of Users	Unlimited	Unlimited	Unlimited
DEPLOYMENT			
Inline Transparent Bridge	•	•	•
VLAN Support	•	•	•
Administrative VLAN	•	•	•
HARDWARE			
Total Gigabit RJ45 Ports	5	3	5
Gigabit RJ45 Ports with Failure Bypass	0	2	4
Dedicated Management VLAN Ports RJ45	0	1	1
Administration Console Port	RS232	RS232	RS232
Form Factor	1U	1U	1U
Dimensions (H x L x W) mm	43.5 x 258 x 440	44.4 x 500 x 426	44.4 x 500 x 426
Weight kg	3.68	8.2	8.2
WARRANTY	2 Years	2 Years	2 Years

Ordering/Licensing Information

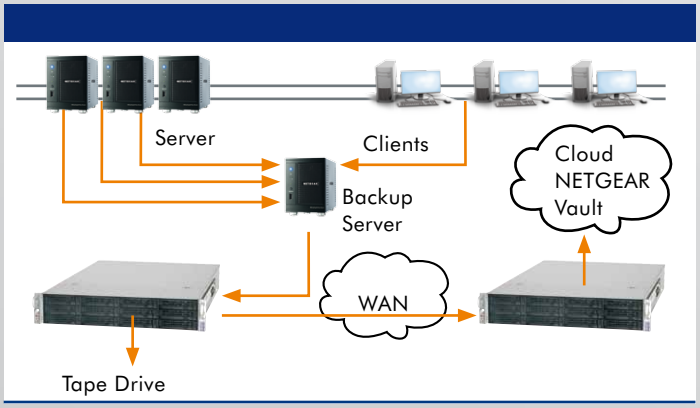
Hardware (Additional Web and/or Email Subscription Required)	**Bundle** (Hardware including 1-Year Web, 1-Year Email, and 1-Year Software Maintenance & Upgrades, 24/7 Support and Advanced Replacement)	**Web Threat Management**	**Email Threat Management**	**Software Maintenance & Upgrades, 24/7 Support, Advanced Replacement**	**Bundle** Subscription Bundle without Hardware
		1-Year Subscription	1-Year Subscription	1-Year Subscription	1-Year Subscription
STM150-100EUS		STM150W-10000S	STM150E-10000S	STM150M-10000S	STM150B-10000S
STM300-100EUS		STM300W-10000S	STM300E-10000S	STM300M-10000S	STM300B-10000S
STM600-100EUS	1-Year Subscription	STM600W-10000S	STM600E-10000S	STM600M-10000S	STM600B-10000S
	STM150EW-100EUS				
	STM300EW-100EUS				
	STM600EW-100EUS	3-Year Subscription	3-Year Subscription	3-Year Subscription	3-Year Subscription
		STM150W3-10000S	STM150E3-10000S	STM150M3-10000S	STM150B3-10000S
	3-Year Subscription	STM300W3-10000S	STM300E3-10000S	STM300M3-10000S	STM300B3-10000S
	STM150EW3-100EUS	STM600W3-10000S	STM600E3-10000S	STM600M3-10000S	STM600B3-10000S
	STM300EW3-100EUS				
	STM600EW3-100EUS				

Store. Share. Protect.

Virtualization • D2D Backup • File Serving • Storage Consolidation

For more info go to:
www.ReadyNAS.com

NETGEAR ReadyNAS network storage solutions are ideal for storing, sharing, and protecting business-critical data from throughout the organization, and making them available to all users on the network. ReadyNAS systems are cost-effective, reliable, and easy to use. With hot-swappable storage bays, they easily scale to meet the company's growing needs. ReadyNAS systems are also platform-independent, so they can readily support all systems on the network – Windows, Mac OS, and Linux systems.



ReadyNAS® Data Storage for "Smart IT"

- Availability:
  - Equipped with comprehensive data back-up functions
  - Robust design and best-in-class warranty

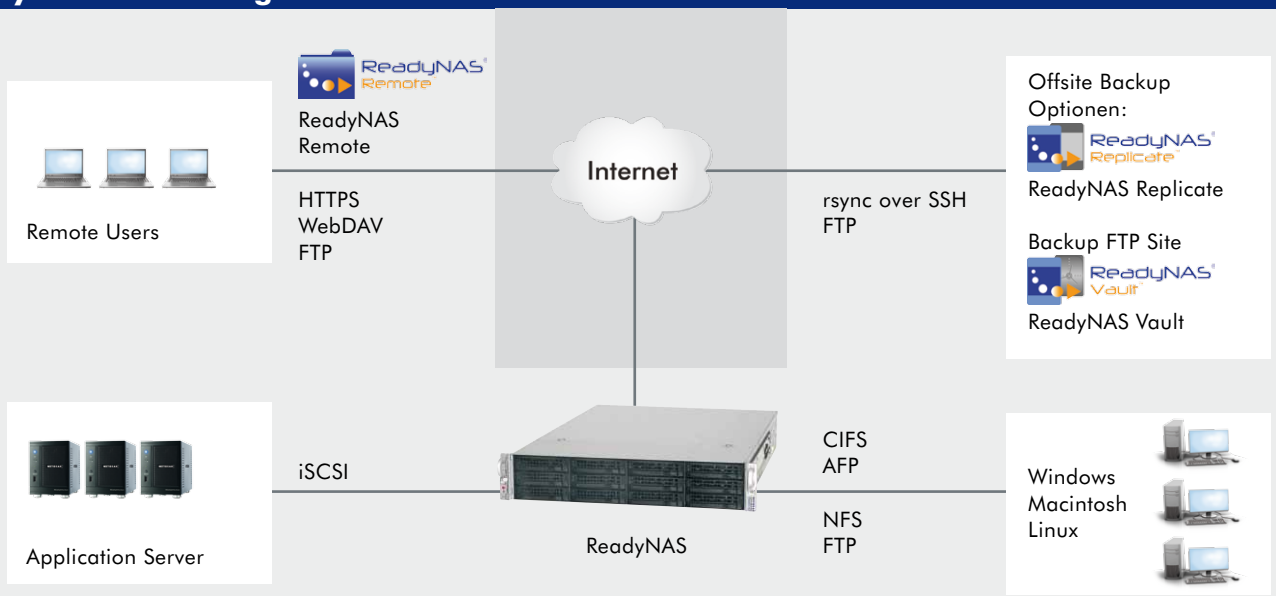
- Simple Operation:
  - User-friendly management GUI
  - X-RAID2 simplifies RAID management
  - ReadyNAS Remote enables easy and secure
  - ReadyNAS Replicate organizes data replication between
  - ReadyNAS Vault enables Cloud archiving
  - ReadyNAS IP Surveillance integrates cameras from major manufacturers and acts as a storage location for videos

Backup to Disk, Offsite or Cloud

- ReadyNAS offers a B2D (Backup to Disk) platform and is an ideal enhancement to an existing back-up solution
- B2D Restore is realized more quickly than with tape
- In a redundant back-up configuration, the tape drive can be omitted
- Back-ups can be saved to the "cloud" using ReadyNAS Vault

Data Access & File Sharing
Simultaneous data access is supported by Windows, Macintosh and Linux/UNIX systems. Data can be accessed locally, via a remote connection, or from a home office via a secure VPN connection. For mobile employees, ReadyNAS Remote is an option for enabling secure, fast and simple access to company data.

ReadyNAS File Serving



Certification & Virtualization
ReadyNAS can also be used in virtualization applications, e. g. Microsoft's Hyper-V, VMware or Citrix XenServer. NETGEAR ReadyNAS systems are Windows Server 2008 R2 (Hyper-V) certified and have been awarded the "VMware Ready" logo. They are also compatible with any virtualization platforms, e. g. VMware, CitrixXen or Microsoft Hyper-V. If possible, use a diskless server (iSCSI boot or internal USB).

Creating an SAN with a Switch Stack
- Stackable-Switch (GSM7328S, GSM7352S)
- VLAN tagging for isolating VM traffic
- Jumbo Frames for maximum throughput
- LACP Support (802.3ad)

Storage Configuration (ReadyNAS 4200)
- LACP activated on ReadyNAS
- NFS and/or iSCSI
- Optimum performance is achieved when the NAS is fully equipped

Windows Server 2008 Hyper-V
vmware READY
NETGEAR 5 YEAR WARRANTY
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Acronis COMPUTE WITH CONFIDENCE
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VEEAM
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NETGEAR READYDATA

Introducing ReadyDATA™
Enterprise-class Unified Storage at a Small Business Price
Every ReadyDATA 5200 ships with a full suite of advanced features such as block-level replication, deduplication, and thin provisioning. Add expansion to as many as 180TB and the dramatic performance boost that comes from supporting a mix of SSD, SAS and SATA drives within a volume, and ReadyDATA redefines the concept of storage for small and medium businesses, remote offices/branch offices (ROBO), and departments within enterprise organizations.

Never before have so many features come standard on an enterprise-class storage device, especially one with a price tag that is comfortable for even the smallest of IT organizations. The ReadyDATA 5200 is easy-to-use unified storage from NETGEAR designed to address serious data management issues with a single system. Common challenges the ReadyDATA 5200 is built to address include:

- Efficiently managing rampant data growth with technology like deduplication and compression
- Designing simple and cost-effective disaster recovery plans with free block-level replication
- Easily transitioning to virtualized infrastructures with 10GbE and virtual networking In addition to being simple for IT professionals to use, the all-inclusive feature set and simplified packaging of disk components make ReadyDATA an easy solution to sell for PowerShift partners.

Scalable Capacity
The ReadyDATA family of unified storage was built with the needs of a growing business in mind. ReadyDATA 5200 is 2U, 12-bay storage that supports 1TB, 2TB and 3TB drives for a total of 36TB capacity.

Each ReadyDATA 5200 can support up to two expansion chassis (the 4U, 24-bay ReadyDATA EDA4000), for a fully populated capacity of up to 180TB. Also, new drives can be easily added while the system is running for seamless expansion on-the-fly.

Peak Performance
For meeting the differing needs of specific applications, ReadyDATA 5200 users can mix-and match SATA, near-line SAS, SAS, and SSD drives within volumes to provide a stunning boost to performance and flexible capacity.

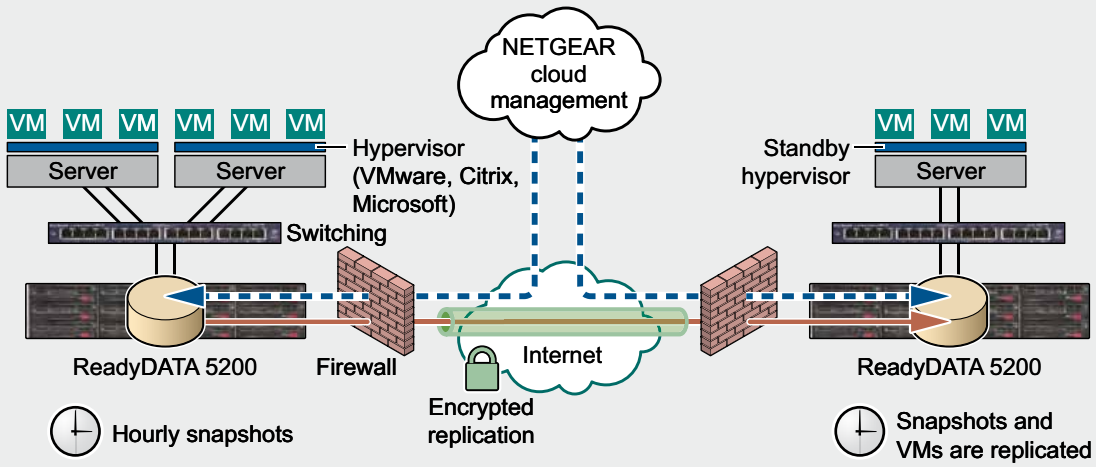
Dual 10GbE ports and virtual network interface support ensure that even in I/O intensive virtual environments, network bottlenecks are a thing of the past. ReadyDATA 5200 also supports industry-standard file sharing protocols including iSCSI, CIFS, and NFS.

Advanced Data Management
With data volume growing faster than ever before, the need to find more efficient ways to store and manage data is crucial. Unlike enterprise-class storage from traditional vendors, a full set of advanced data management technologies come standard with every ReadyDATA 5200.

A few of these advanced features include:

- Thin provisioning, compression and de-duplication of both block (SAN) and file data (NAS)
- Continuous data protection with unlimited snapshots
- Block level replication over WAN managed from the cloud for disaster recovery

ReadyDATA 5200



	READYDATA 2U
Product Description	ReadyDATA 5200
Unified Archtecture	•
ReadyDATA OS using ZFS	•
Redundant Power Supply	•
Support Clients	Windows, Mac, Linux/UNIX, HTTP(s), FTP(s), iSCSI target
Drive Support	SATA, NL-SAS, SAS and SSD
VMware Ready	•
Citrix Ready	•
Intel Xeon Quad-core 2.66.GHz Processor with 16 GB ECC Memory	•
Hyper V Ready	•
Microsoft Windows Server logo	•
NETWORKING DETAILS	
Ports	Two 10/100/1000 Ethernet ports with load balancing and failover – Two 10 Gigabit Ethernet ports with load balancing and failover (SFP+ ports) – 2 USB 2.0 ports
10GE Support	Two 10 Gigabit Ethernet ports with load balancing and failover (SFP+ ports)
Virtual Network Interface Card (vNIC)	•
DHCP or static IP address assignment	•
NTP server synchronization	•
LACP support for load balancing and failover	•
RAID	
RAID	RAID 0, 1, 5, 6, 10 RAID 5 with Hot spare
VOLUME MANAGEMENT	
Online volume expansion	•
Advanced Volume Mgmt (Slicing)	•
Snapshot	Constant and Unlimited
Quota Management	•
Journaled file system	•
NETWORK FILE SYSTEM	
Block-level Access	iSCSI target mode support
File-level Access	CIFS/SMB for Windows; AFP 3.1 for Mac OS 9.X; NFS v2/v3 for Linux and UNIX; HTTP(s) for web browsers; FTP(s) support; Rsync
NETWORK SECURITY	
Share, user, domain/ADS modes	•
Secure Sockets Layer (SSL)	•
CHAP authentication for iSCSI LUN	•
Encrypted network logins	•
POWER-SAVING OPTIONS	
Power-saving options	Power on/off schedule, Wake-on-LAN
USABILITY	
Web management	•
GUI Set-up Wizard	•
Status LED display	•
Email Alerts	•
BACKUP	
Hourly, Daily, Weekly scheduled snapshots (Data Protection)	•
Cloud managed Constant Replication (Disaster Recovery)	•
Client backup target using CIFS, NFS, FTP or iSCSI	•
Supported Backup applications from Acronis, Quest	•
ADVANCED DATA MANAGEMENT	
Unlimited Snapshots	•
Compression and De-duplication	•
Thick and Thin Provisioning	•
ACCESS	
Local users and Active Directory/Windows Domain support	HTTP, HTTPS, FTP, FTPS, WebDAV, ReadyNAS Remote
Secure Sockets Layer (SSL)	•
CHAP authentication for iSCSI LUN	DHCP Server; WINS; NTP; SNMP
Shares	•
MODEL	
	READYDATA 5200: RD5200/EMPTY, RD521210/ 12TB SATA
OTHERS	
Accessory, spare parts	EDA4000-100WWS, RD5D1LT02-100WWS, RD5D1LT03-100WWS, RD5D6LT01-100WWS, RD5D6LT02-100WWS, RD5D6LT03-100WWS, RD5D6LN01-100WWS, RD5D6LN03-100WWS, RD5D1LS01-100WWS, RD5D1LS02-100WWS, RD5D1LS03-100WWS, RD5D1SC01-100WWS, RD5D1SM01-100WWS, RD5D1SM02-100WWS
Reliability features	Hot-swappable disk trays, Redundant PSU, Redundant cooling fan, ECC memory
Physical Dimensions (W x D x H)	437 x 648 x 89 mm (17.2 x 25.5 x 3.5 in)
Warranty	5 Year Warranty. Onsite Replacement (3 Years) Included**
ProSupport Options - Oncall 24X7, - XPRESSSHW	PMB0334 OnCall 24x7, Category 4, 3 Years PMB0354 OnCall 24x7, Category 4, 5 Years PSB 0304-10000S – Professional Setup and Configuration (Remote) PSP 1104-10000S – Professional Setup and Configuration (Onsite)

**Next business day onsite replacement support. Advanced registration required. For a list of countries where service is available, and terms and conditions visit http://onsite.netgear.com.

	RACKMOUNT 2U	RACKMOUNT 1U
Product Description	ReadyNAS 4200 W/10GBE (SFP+), ReadyNAS 4200, READYNAS 3200	ReadyNAS 3100, ReadyNAS 2100, ReadyNAS 1500
Unified Archtecture	•	•
Redundant Power Supply	•	ReadyNAS 3100 only
Support Clients	Windows, Mac, Linux/UNIX, HTTP(s), FTP(s), iSCSI target	Windows, Mac, Linux/UNIX, HTTP(s), FTP(s), ISCSI target
VMware Ready	•	•
Citrix Ready	•	•
Hyper V Ready	•	•
Microsoft Windows Server logo	•	•
NETWORK PORTS		
Ports	**ReadyNAS 4200 W/10GBE (SFP+):** 2 x 10/100/1000 Mbps and 2 x 10GbE ports (SFP+), **ReadyNAS 4200:** 2 x 10/100/1000 Mbps plus 2 optional 10GbE ports or 2 optional GbE ports, **ReadyNAS 3200:** 2 x 10/100/1000 Mbps plus 2 optional GbE ports	2 x 10/100/1000 Mbps
10GE Support	**ReadyNAS 4200 W/10GBE (SFP+):** 2 x SFP+ ports inluded, **ReadyNAS 4200:** Optional, **ReadyNAS 3200:** N/A	
Jumbo Frame Support	•	•
Failover & Link Aggregation	•	•
RAID		
RAID	RAID 0, 1, 5, 6, 10 RAID 5 with Hot spare	RAID 0, 1, 5, 6, 10 RAID 5 with Hot spare
X-RAID2	Yes, X-RAID2 with dual Parity	Yes, X-RAID2 with dual Parity
VOLUME MANAGEMENT		
Online volume expansion	•	•
Advanced Volume Mgmt (Slicing)	•	•
Snapshot	•	•
Quota Management	•	•
Journaled file system	•	•
NETWORK FILE SYSTEM		
Block-level Access	iSCSI target mode support	iSCSI target, Support up to 512 LUNs, Support of SCSI-3 persistent reservation
File-level Access	CIFS/SMB for Windows; AFP 3.1 for Mac OS 9.X; NFS v2/v3 for Linux and UNIX; HTTP(s) for web browsers; FTP(s) support; Rsync	**ReadyNAS 3100 AND 2100:** CIFS/SMB for Windows; AFP 3.1 for Mac OS 9.X; NFS v2/v3 for Linux and UNIX; HTTP(s) for web browsers; FTP(s) support; Rsync **ReadyNAS 1500:** CIFS/SMB, AFP, NFS v2/v3, HTTP(s), FTP(s), Rsync
NETWORK SECURITY		
Share, user, domain/ADS modes	•	•
Windows ACL	•	•
Encrypted network logins	•	•
POWER-SAVING OPTIONS		
Power-saving options	Power on/off schedule, Wake-on-LAN	Disk spin-down, Power on/off schedule, Wake-on-LAN
USABILITY		
Web management	•	•
GUI Set-up Wizard	•	•
Status LED display	•	•
Email Alerts	•	•
BACKUP		
Integrated Backup Manager	•	•
Remote backup over CIFS/NFS/FTP/HTTP	•	•
Rsync backup to/from USB disks	•	•
Secure Replication over rysnc	•	•
Supports Symantec Backup Exec Agent	•	•
ReadyNAS Vault Cloud backup option	•	•
ReadyNAS Replicate Software License Option (part number)	RN00RPL2	RN00RPL2
Remote Access	HTTP, HTTPS, FTP, FTPS, WebDAV, ReadyNAS Remote	**ReadyNAS 3100 AND 2100:** HTTP, HTTPS, FTP, FTPS, WebDAV, ReadyNAS Remote **ReadyNAS 1500:** HTTP, HTTPS, FTP, FTPS, WebDAV, ReadyNAS Remote – native secure remote access
Egnyte Ready (Hybrid Cloud)	•	•
Servers & Network Options	DHCP Server; WINS; NTP; SNMP	**ReadyNAS 3100 AND 2100:** DHCP Server; WINS; NTP; SNMP **ReadyNAS 1500:** DHCP Server; WINS; Print server; NTP; SNMP
MODEL		
	ReadyNAS 4200 W/10GBE (SFP+): RN12S0620/12 TB, RN12S1220/24 TB **ReadyNAS 4200:** RN12T1210/12 TB, RN12T0620/12 TB, RN12T0630/18TB, RN12T1220/24 TB, RN12T1230/36 TB, **ReadyNAS 3200:** RN12P0610/6 TB, RN12P0620/12 TB, RN12P1210/12 TB, RN12P1220/24 TB	**ReadyNAS 3100:** RNRP4410/4 TB, RNRP4420/8 TB, RNRP4430/12 TB **ReadyNAS 2100:** RNRX4410/4 TB, RNRX4420/8 TB, RNRX4430/12 TB **ReadyNAS 1500:** RNRX441E/4 TB, RNRX442E/8 TB, RNRX443E/12 TB
OTHERS		
Accessory, spare parts	**ReadyNAS 4200 W/10GBE (SFP+), ReadyNAS 4200:** Hot-swappable tray, PSU, rack-mount rail, cooling FAN, GE network add-on card, 10GE add-on card (CX-4 or SFP+), **ReadyNAS 3200:** Hot-swappable tray, PSU, rack-mount rail, cooling FAN, GE network add-on card	**ReadyNAS 3100:** Hot-swappable trays, cooling fan, PSU, sliding rail kit **ReadyNAS 2100:** Hot-swappable trays
Reliability features	Hot-swappable disk trays, Redundant PSU, Redundant cooling fan, ECC memory	**ReadyNAS 3100:** Hot-swappable disk trays, Redundant PSU, Redundant cooling fan, ECC memory, **ReadyNAS 2100:** Hot-swappable disk trays, X-Change Rapid System Board replacement module
Physical Dimensions (W x D x H)	437 x 648 x 89 mm (17.2 x 25.5 x 3.5 in)	**ReadyNAS 3100:** 43 x 437 x 650 mm (1.7 x 17.2 x 25.6 in) **ReadyNAS 2100:** 429 x 318 x 43 mm (16.9 x 12.5 x 1.7 in.)
Warranty	5 Year Warranty. Onsite Replacement (3 Years) Included**	**ReadyNAS 3100:** 5 Year Warranty. Onsite Replacement (3 Years) Included** **ReadyNAS 2100:** 5 Year Warranty
ProSupport Options - Oncall 24X7, - XPRESSSHW	**ReadyNAS 4200 W/10GBE (SFP+), ReadyNAS 4200:** PMB0334, PRR0334-100 **ReadyNAS 3200:** PMB0333, PRR0333-100	**ReadyNAS 3100:** PMB0334, PRR0334-100 **ReadyNAS 2100 AND 1500:**PMB0333, PRR0333-100

**Next business day onsite replacement support. Advanced registration required. For a list of countries where service is available, and terms and conditions visit http://onsite.netgear.com.

	DESKTOP	DESKTOP (DISKLESS)
Product Description	ReadyNAS Pro 6, ReadyNAS Pro 4, ReadyNAS Pro 2	ReadyNAS Pro 6, ReadyNAS Pro 4, ReadyNAS Pro 2
Unified Archtecture	•	•
Redundant Power Supply	•	•
Support Clients	Windows, Mac, Linux/UNIX, HTTP(s), FTP(s), and iSCSI target	Windows, Mac, Linux/UNIX, HTTP(s), FTP(s), and iSCSI target
VMware Ready	•	•
Citrix Ready	•	•
Hyper V Ready		
Microsoft Windows Server logo	•	•
NETWORK PORTS		
Ports	2 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps
Jumbo Frame Support	•	•
Failover & Link Aggregation	•	•
RAID		
RAID 0, 1, 5, RAID 5 with Hotspare	Yes, and RAID 6	**ReadyNAS PRO 6:** Yes, and RAID 6. **ReadyNAS PRO 4:** Yes. **ReadyNAS PRO 2:** RAID 0/1.
X-RAID2	X-RAID 2	X-RAID 2
VOLUME MANAGEMENT		
Online volume expansion	•	•
Advanced Volume Mgmt (Slicing)	•	•
Snapshot	•	•
Quota Management	•	•
Journaled file system	•	•
NETWORK FILE SYSTEM		
Block-level Access	iSCSI target mode support	iSCSI target mode support
File-level Access	CIFS/SMB for Windows ; AFP 3.1 for Mac OS 9.X; NFS v2/v3 for Linux/UNIX; HTTP(s); FTP(s); Rsync	CIFS/SMB, AFP, NFS v2/v3, HTTP(s), FTP(s), Rsync
NETWORK SECURITY		
Share, user, domain/ADS modes	•	•
Windows ACL	•	•
Encrypted network logins	•	•
Secure Sickets Layer	•	•
POWER-SAVING OPTIONS		
Power-saving options	Disk spin-down, controlled cooling fan, Power on/off schedule, Wake-on-LAN	Disk spin-down, controlled cooling fan, Power on/off schedule, Wake-on-LAN
USABILITY		
Web management	•	•
GUI Set-up Wizard	•	•
Status LED display	**ReadyNAS PRO 6:** Yes, plus OLED display. **ReadyNAS PRO 4:** Yes, plus LCD display. **ReadyNAS PRO 2:** Yes	**ReadyNAS PRO 6:** Yes, plus OLED display. **ReadyNAS PRO 4:** Yes, plus LCD display. **ReadyNAS PRO 2:** Yes
Email Alerts	•	•
BACKUP		
Integrated Backup Manager	•	•
Programmable backup button	•	•
Remote backup over CIFS/NFS/FTP/HTTP	•	•
Rsync backup to/from USB disks	•	•
Secure Replication over rysnc	•	•
Supports Symantec Agent	•	•
ReadyNAS Vault Option	•	•
ReadyNAS Replicate Software License Option	RN00RPL1	RN00RPL1
Remote Access	HTTP, HTTPS, FTP, FTPS, WebDAV, ReadyNAS Remote – native secure remote access	HTTP, HTTPS, FTP, FTPS, WebDAV, ReadyNAS Remote – native secure remote access
Egnyte Ready (Hybrid Cloud)	•	•
Servers & Network Options	DHCP Server; WINS; Print server; NTP; SNMP	DHCP Server; WINS; Print server; NTP; SNMP
MODEL		
	ReadyNAS PRO 6: RNDP6310-200/3 TB, RNDP6610-200/6 TB, RNDP6620-200/12 TB, RNDP6630-200/18 TB **ReadyNAS PRO 4:** RNDP4410/4 TB, RNDP4420/8 TB, RNDP4430/12 TB **ReadyNAS PRO 2:** RNDP2210/4 TB, RNDP2220/8 TB, RNDP2230/12 TB	**ReadyNAS PRO 6:** RNDP600-200 **ReadyNAS PRO 4:** RNDP4000 **ReadyNAS PRO 2:** RNDP2000
PHYSICAL		
Desktop/Rackmount	**ReadyNAS PRO 6:** Desktop with 6 hot-swappable trays. **ReadyNAS PRO 4:** Desktop with 4 hot-swappable trays. **ReadyNAS PRO 2:** Desktop with 2 hot-swappable trays	**ReadyNAS PRO 6:** Desktop with 6 hot-swappable trays. **ReadyNAS PRO 4:** Desktop with 4 hot-swappable trays. **ReadyNAS PRO 2:** Desktop with 2 hot-swappable trays
OTHERS	**ReadyNAS PRO 6:** OLED display for system status readout **ReadyNAS PRO 4:** LCD display for system status readout	**ReadyNAS PRO 6:** OLED display for system status readout **ReadyNAS PRO 4:** LCD display for system status readout
Physical Dimensions (W x D x H)	**ReadyNAS PRO 6:** 170 x 285 x 250 mm, (6.7 x 11.2 x 10.0 in) **ReadyNAS PRO 4:** 132 x 222 x 200 mm (5.2 x 8.7 x 7.9 in) **ReadyNAS PRO 2:** 101 × 222 × 142 mm (4 x 8.7 × 5.6 in.)	**ReadyNAS PRO 6:** 170 x 285 x 250 mm, (6.7 x 11.2 x 10.0 in) **ReadyNAS PRO 4:** 132 x 222 x 200 mm (5.2 x 8.7 x 7.9 in) **ReadyNAS PRO 2:** 101 × 222 × 142 mm (4 x 8.7 × 5.6 in.)
Warranty	5 Year Warranty.	5 Year Warranty.
ProSupport Options - Oncall 24X7, - XPRESSSHW	**ReadyNAS PRO 6:** PMB0333, PRR0333-100 **ReadyNAS PRO 4 AND 2:** PMB0332, PRR0332-100	**ReadyNAS PRO 6:** PMB0333, PRR0333-100 **ReadyNAS PRO 4 AND 2:** PMB0332, PRR0332-100

NMS200 – Central Control and Monitoring of Network Components

NETGEAR ProSafe
Network Management System
NMS200

Licenses	15-Device Licenses – NMS215-10000S 30-Device Licenses – NMS230-10000S 50-Device Licenses – NMS250-10000S 100-Device Licenses – NMS2100-10000S 500-Device Licenses – NMS2500-10000S
NETGEAR Support ProSafe Products	**Fully Managed Switches** FSM726-300, GSM7224-200, GSM7248-200 GSM7228PS, GSM7252PS, GSM7328FS GSM7328S-200, GSM7352S-200, XSM7224S **Previous Generations of Fully Managed Switches*** GSM7328Sv1, GSM7352Sv1, GSM7224v1 GSM7248v1, GSM7224R, GSM7248R GSM7212, GSM7312, GSM7324, FSM7328S FSM7352S, FSM7328PS, FSM7352PS, FSM7326P FSM7226RS, FSM7250RS **Smart Switches** FS726T*, FS726TP*, FS728TP, FS728TP-200, FS752TP, GS108T-200, GS110TP, GS716T-200, GS724T-300 GS748Tv3*, GS748T-400, GS724TP, GS748TP, GS724TS, GS748TS, GS724TPS, GS748TPS, GS752TXS **Storage** The following NETGEAR ReadyNAS Products are supported: RN12T family (ReadyNAS 4200) RN12P family (ReadyNAS 3200) RNRP4 family (ReadyNAS 3100) RNRX4000 family (ReadyNAS 2100) RNDP6 family (ReadyNAS Pro 6) RNDP6 family (ReadyNAS Pro) RNDP4 family (ReadyNAS Pro 4) RNDX4 family (ReadyNAS NVX) RNDP2 family (ReadyNAS Pro 2) **Wireless** The following NETGEAR ProSafe Wireless Products are supported: WNDAP360, WNDAP350, WNAP320, WNAP210, WMS5316 (Wireless Management System), WC7520 (Wireless Controller) *Limitations apply, please refer to the Release Note for details on the software download page - www.netgear.com/nms200
Operating Systems Supported	Windows Server 2003 32/64-bit Windows Server 2008 32/64-bit Windows XP 32-bit, Windows Vista® 32/64-bit Windows 7 32/64-bit

The ProSafe Network Management System enables the network administrator to perform central "Element Management" for NETGEAR products.

Detection
Products are automatically detected in the network and the application provides the corresponding topology as an overview.

Configuration
The application can be used to implement an efficient configuration (back-up and restore) and firmware/OS management. The network devices can also be configured directly from the application.

Monitoring
ProSafe NMS monitors the network and immediately triggers an alarm (alarms and events) should a problem occur.
The provision of data by the network devices enables statistics to be created and evaluated as real-time reports or trend reports (performance metrics).

Full version free-of-charge (up to 5 nodes)
Available for download at
http://www.netgear.com/business/products/software/network-management-software/NMS200.aspx

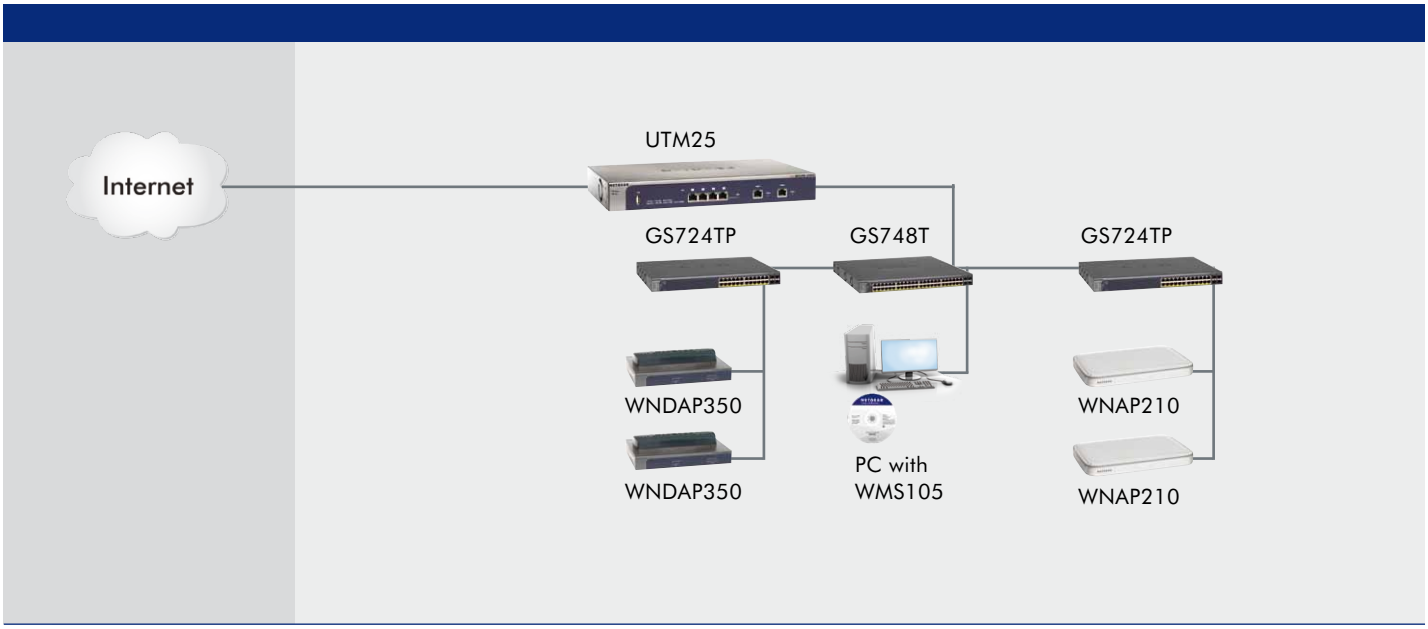
VPNG01L/VPNG05L – External Access to Your Network – With Security!

VPN CLIENT SOFTWARE

VPNG01L / VPNG05L
Available as a single-user and five-user license

To support the growing number of mobile users without sacrificing security, the NETGEAR ProSafe VPN Client provides professional encryption and extensive support for Windows operatingsystems. It is easy to install and configure, is compatible with all NETGEAR VPN firewall routers, and supports IPsec-VPN solutions from other leading manufacturers. The ProSafe VPN Client provides encryption (PreShared Key and X.509 certificates) and authentication, preconfigured configuration files for NETGEAR VPN/ firewall routers, NAT-Traversal support, redundant gateway capability, full cooperation with IPsec supporting devices, and client-initiated VPN support.

FEATURES	NETGEAR ProSafe VPN Client Software promotes mobility and safeguards access to company data. The VPN Software Client supports a number of security protocols (e. g. AES, DES, 3DES) and authentication methods. Furthermore, the software also supports Public Key Infrastructure (PKI) and Internet Key Exchange (IKE), as well as a broad range of Smart Cards and Certificate Authorities (CAs).
NETGEAR ProSafe Support Products	ProSafe: FVS318G, FVS318N, SRXN3205, FVS338, FVX538, FVS336G, SRX5308, ProSecure: UTM5/10/25/50/150.
Operating Systems Supported	Windows 2000, Windows Server 2003 32-bit Windows Server 2008 32/64-bit Windows XP 32-bit, Windows Vista 32/64-bit Windows 7 32/64-bit



WMS105 ProSafe 5-AP Wireless Management Software

WMS105
ProSafe 5-AP Wireless
Management Software

FEATURES	Wireless management solution for up to 5 access points. The application simplifies wireless configuration and management.
SUPPORTED ACCESS POINTS	WNDAP350, WNDAP330, WNAP320 WNAP210, WG302v2, WG103 WN802Tv2, WG602v4, WN602
SUPPORTED OPERATING SYSTEMS	Windows XP (32 und 64 bit) Windows 7 (32 und 64 bit)

Easy Setup and Administration
- Centralized management architecture
- "Discovery mode" for supported access points in the network
- One instance for configuration settings and changes for management of WiFi network

Consistent Security Settings
- Centralized management sets uniform safety standards
- Secure guest access with ProSafe access points
- "MAC authentication" for the authorization of devices
- "802. 1x network authentication" for authorized access to the corporate network for simultaneous granting of rights

Support and Management

PROSUPPORT

Service Portfolio for ProSafe and ReadyNAS Business Class Products

The NETGEAR ProSupport offerings provide you with peace of mind by extending and enhancing the standard warranty coverage included with your product purchase. XPressHW, which is available at an affordable price, enhances the hardware replacement entitlement from 5+ days to Next Business Day (NBD).* OnCall 24x7, which includes NBD replacement, extends the warranty entitled advanced technical support to the contract term. Please select the right level of service from the tables shown here.

ONCALL 24X7 WITH XPRESSSHW

NETGEAR OnCall 24x7 ProSupport service covers unlimited phone and email-based technical support for standard and advanced features. In the event of a hardware failure, NETGEAR will ensure that a replacement product is delivered for next-business-day arrival. NETGEAR recommends the OnCall 24x7 offering for customers seeking hardware and software coverage.

For more information on NETGEAR Support go to www.netgear.com/support

CATEGORY 1

Model	ProSupport SKU (Term)		
	OnCall 24x7	XPressHW	Onsite NBD
	PMB0351 (5 Yrs.), PMB0331 (3 Yrs.), PMB0311 (1 Yr.)	PRR0351 (5 Yrs.), PRR0331 (3 Yrs.)	PMPX1121 (2 Yrs.)
DGFV338	o	o	NA
FS108	o	o	NA
FS108P	o	o	NA
FS116	o	o	NA
FS116E	o	o	NA
FS116P	o	o	NA
FS726T	I (1)	o	NA
FS726TP	I (1)	o	NA
FS728TP	I (1)	o	NA
FS728TS	I (1)	o	NA
FS750T2	I (1)	o	NA
FS752TP	I (1)	o	NA
FS752TS	I (1)	o	NA
FSM726-300	I (L)	NA	I (3)
FVG318	o	o	NA
FVS318	o	o	NA
FVS318G	o	o	NA
FVS318N	o	o	NA
FVS336G	o	o	NA
FVS338	o	o	NA
FVX538	o	o	NA
GS105	o	o	NA
GS105E	o	o	NA
GS108	o	o	NA
GS108E	o	o	NA
GS108P	o	o	NA
GS108PE	o	o	NA
GS108T	I (1)	o	NA
GS110TP	I (1)	o	NA
GS116	o	o	NA
GS116E	o	o	NA
GS510TP	I (1)	o	NA

CATEGORY 1 Contd

Model	ProSupport SKU (Term)		
	OnCall 24x7	XPressHW	Onsite NBD
	PMB0351 (5 Yrs.), PMB0331 (3 Yrs.), PMB0311 (1 Yr.)	PRR0351 (5 Yrs.), PRR0331 (3 Yrs.)	PMPX1121 (2 Yrs.)
GS510TP	I (1)	o	NA
GS716T	I (1)	o	NA
GS724T	I (1)	o	NA
GS724TS	I (1)	o	NA
GS748T	I (1)	o	NA
JFS516	o	o	NA
JFS524	o	o	NA
JFS524F	o	o	NA
JGS516	o	o	NA
JGS524	o	o	NA
JGS524E	o	o	NA
RND2xxx	o	o*	NA
RNDP200U	o	o*	NA
RNDP2xxx	o	o*	NA
RNDU2xxx	o	o*	NA
SRX5308	o	o	NA
SRXN3205	o	o	NA
WAGL102	o	o	NA
WAG102	o	o	NA
WGL102	o	o	NA
WG102	o	o	NA
WG103	o	o	NA
WG302	o	o	NA
WNAP210	o	o	NA
WNAP320	o	o	NA
WNDAP350	o	o	NA
WNDAP360	o	o	NA

CATEGORY 2

Model	ProSupport SKU (Term)		
	OnCall 24x7	XPressHW	Onsite NBD
	PMB0352 (5 Yrs.), PMB0332 (3 Yrs.), PMB0312 (1 Yr.)	PRR0352 (5 Yrs.), PRR0332 (3 Yrs.)	PMPX1122 (2 Yrs.)
GS724TP	I (1)	o	NA
GS724TPS	I (1)	o	NA
GS748TP	I (1)	o	NA
GS748TPS	I (1)	o	NA
GS748TS	I (1)	o	NA
GS752TXS	I (1)	o	NA
GSM7224-200	I (L)	NA	I (3)
RND4xxx	o	o*	NA
RNDP400U	o	o*	NA
RNDP4xxx	o	o*	NA
RNDU4xxx	o	o*	NA
RNDX400E	o	o*	NA
RNDX4xxx	o	o*	NA
WMS5316	o	o	NA

**Calls must be received and replacement authorization must be issued by the cutoff time for NBD replacement. Contact the local call centers for the cutoff time.

Support and Management

PROSUPPORT

Service Portfolio for all ProSafe and ReadyNAS Business Class Products

CATEGORY 3			
Model	ProSupport SKU (Term)		
	OnCall 24x7	XPressHW	Onsite NBD
	PMB0353 (5 Yrs.), PMB0333 (3 Yrs.), PMB0313 (1 Yr.)	PRR0353 (5 Yrs.), PRR0333 (3 Yrs.)	PMPX1123 (2 Yrs.)
GSM5212P	I (L)	NA	I (3)
GSM7212F	I (L)	NA	I (3)
GSM7212P	I (L)	NA	I (3)
GSM7224	I (L)	NA	I (3)
GSM7228PS	I (L)	NA	I (3)
GSM7248-200	I (L)	NA	I (3)
GSM7328FS	I (L)	NA	I (3)
GSM7328S	I (L)	NA	I (3)
RNDP600U	o	o*	NA
RNDP6xxx	o	o*	NA
RNRP4xxx	o	o*	NA
RNRX4xxxx	o	NA	I (3)
RNRX44xE	o	NA	I (3)
WC7520	o	NA	I (3)
WFS709TP	o	NA	I (3)

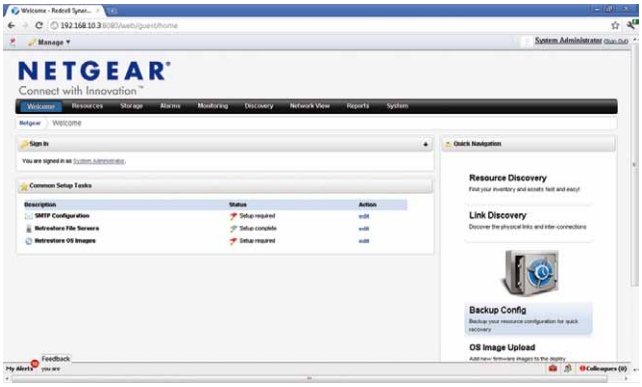
CATEGORY 4			
Model	ProSupport SKU (Term)		
	OnCall 24x7	XPressHW	Onsite NBD
	PMB0354 (5 Yrs.), PMB0334 (3 Yrs.), PMB0314 (1 Yr.)	NA	PMPX1124 (2 Yrs.)
GSM7252PS	I (L)	NA	I (3)
GSM7352S	I (L)	NA	I (3)
RN12Gxxxx	o	NA	I (3)
RN12Pxxxx	o	NA	I (3)
RN12Sxxxx	o	NA	I (3)
RN12Txxxx	o	NA	I (3)
XSM7224S	I (L)	NA	I (3)

LEGEND

- I (1) Tech Support is included for 1-year with product purchase+; extension available
- I (3) Onsite NBD is included for three 3-years with new product purchase; extension available
- I (L) Tech Support is included for lifetime with product purchase+
- \+ Purchased after Dec 31, 2011;
- NA Not Applicable
- NP Available with new product purchase
- o Option for new purchase, extension or renewal (extended hw warranty is included if applicable)
- o* Option for new purchase or renewal (available only if hardware warranty is valid)

ReadyNAS® Replicate™

Your business already entrusts your most important data to the ReadyNAS. ReadyNAS Replicate simplifies the replication of that data to another ReadyNAS whether the two systems are on the same LAN or whether they're a world apart. Simply set up the replication job and run the initial replication locally. Then move the second ReadyNAS anywhere with Internet access, and the replication continues, with no additional setup. As you can see, ReadyNAS Replicate is just one of many smart ways that the ReadyNAS simplifies your business storage needs.



MODEL	NETWORK MANAGEMENT SOFTWARE — NMS200
Product Description	ProSafe® Network Management Software
Features	Powerful, scalable and simple to use
	Single console for extensive visibility, granular control, and seamless automation
	Configuration and Firmware/OS management
NETGEAR®-Compatible Devices	XCM8800 Series Chassis Switches, ProSafe Managed Switches, ProSafe Smart Switches, ProSafe Wireless Controllers, ProSafe Wireless Access Points, ReadyNAS Storage Devices
Warranty	90-Day Media warranty

NETGEAR®

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